

REMEDIAL INVESTIGATION REPORT
352-362 SHEPHERD AVENUE
BROOKLYN, NEW YORK

Prepared by
Haley & Aldrich of New York
237 W 35th Street, 16th Floor
New York, New York 10123

Prepared for

362 Shepherd Development LLC
352-362 Shepherd Avenue
Brooklyn, NY 11208

Date: September 2021

OER Project Number: 22TMP0141K
E-Designation 366

File No. 0201831-002
September 2021



Table of Contents

CERTIFICATION	1
EXECUTIVE SUMMARY	2
1.0 SITE BACKGROUND	7
1.1 Site Location and Current Usage	7
1.2 Proposed Redevelopment Plan	7
1.3 Description of Surrounding Property	7
2.0 SITE HISTORY	9
2.1 Past Uses and Ownership	9
2.2 Previous Investigations	9
2.3 Site Inspection	9
2.4 Areas of Concern	10
3.0 PROJECT MANAGEMENT	11
3.1 Project Organization	11
3.2 Health and Safety	11
3.3 Materials Management	11
4.0 REMEDIAL INVESTIGATION ACTIVITIES	12
4.1 Geophysical Survey	12
4.2 Borings and Monitoring Wells	12
4.3 Sample Collection and Chemical Analysis	13
5.0 ENVIRONMENTAL EVALUATION	17
5.1 Geological and Hydrogeological Conditions	17
5.2 Soil Chemistry	17
5.3 Groundwater Chemistry	18
5.4 Soil Vapor Chemistry	20
5.5 Prior Activity	20
5.6 Impediments to Remedial Action	20

Figures

Figure 1 - Site Locus

Figure 2 - Site Plan

Figure 3 - Sample Location Map

Figure 4 - Map of Soil Chemistry

Figure 5 - Map of Groundwater Chemistry

Figure 6 - Map of Soil Vapor Chemistry

Figure 7 – Map of Emerging Contaminants in Groundwater

Tables

Table 1 - Boring/Well Construction Information

Table 2 - Soil Analytical Results

Table 3- Groundwater Analytical Results

Table 3A – Emerging Contaminants in Groundwater Analytical Results

Table 4 - Soil Vapor Analytical Results

Appendices

Appendix A - Health and Safety Plan

Appendix B – Geophysical Survey Summary

Appendix C - Soil Boring Geologic Logs

Appendix D - Groundwater Purge Logs

Appendix E - Soil Vapor Sampling Logs

Appendix F - Laboratory Data Deliverables

Acronyms and Abbreviations

AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, James M. Bellew, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 352-362 Shepherd Avenue Site, (NYC OER Site No. 22TMP0141K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

James M. Bellew

20 September 2020



Qualified Environmental Professional

Date

Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 352-362 Shepherd Avenue in the East New York section of Brooklyn, New York and is identified as Block 3988, Lot 28 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 10,000-square feet (sf) in size and is bounded by residential homes to the north and to the south, Shepherd Avenue followed by a residential home and a miscellaneous garage/parking area to the east, and residential apartments to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is operated by Gils Auto Body and Hi-Tech Heating. The property contains a one-story warehouse/garage building encompassing the entire site footprint with a partial cellar.

Summary of Proposed Redevelopment Plan

The development project will consist of an 8-story residential building with 53 units, with an affordable housing component, and a partial cellar over the majority of the Site extending to 10 feet below ground surface (ft bgs). The architectural set is still in the design phase and will be presented in a Remedial Action Work Plan.

Summary of Past Uses of Site and Areas of Concern

In the late 1880s, the subject Site was improved with several dwellings. In the early 1900s the Site was used as a “Toy Animal Factory”. By the late 1920s the previous Site buildings were demolished and the Site operated as a garage. The Site continued to operate as a garage until the late 1960s/early 1970s. There was a gas tank present in the eastern portion of the site near Shepherd Avenue indicated in Sanborn Fire Insurance Maps from 1928 through 1968. There is no documentation regarding the size of the tank, closure status, or proper removal of the tank. Records indicate that the subject Site operated as a gasoline service station from 1969-1972. From the late 1970s through the present, the property was used for various auto-related purposes including an auto body shop, garages, used car sales, and towing

and is also listed in the EDR Historic Auto database. The property is currently operated by Gils Auto Body and Hi-Tech Heating.

A Phase I Environmental Site Assessment was conducted by Singer Environmental Group, LTD (Singer) in May 2021. Several Recognized Environmental Conditions (RECs) were identified to be associated with the subject site and include the following:

- Observation of two 275-gallon waste oil aboveground storage tanks.
- Historic use of the subject site for auto-related purposes including auto repair, auto body shop, tire shop, truck tire-service, truck renting, and motor repair. Additionally, the site operated as a gasoline service station from 1969 through 1972. The property to the west of the site was historically used as auto wrecking from the 1960s-2000s.
- Observation of three gasoline vents on the roof of the site building. Also, a gasoline tank is depicted on the southeastern portion of the subject property in the 1928, 1951, 1965, and 1968 Historic Sanborn Fire Insurance Maps.
- Permit issued in 2014 to install a boiler/oil burner and fuel oil tank in a trailer to create an emergency boiler.
- Site is listed in the NY Spills Database under Spill #9705843. The spill indicated a minor oil spill in the garage and was closed on 29 June 2010.

Singer recommended that a ground penetrating radar survey be conducted to determine the presence of any underground storage tanks.

The property also has an E-Designation Site identified under the E-366 – East New York Rezoning (CEQR 15DCP102K). The requirements under the E-Designation program are satisfaction of the requirements for Hazardous Material and Air components with the New York City Office of Environmental Remediation (NYCOER). The Air requirement for this site is the exclusive use of natural gas.

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

2. Installed six (6) soil borings across the entire project Site, and collected thirteen (13) soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four (4) temporary groundwater monitoring wells throughout the Site to establish groundwater flow and collected four (4) groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed five (5) soil vapor probes around Site perimeter and collected five (5) samples for chemical analysis.

Summary of Environmental Findings

1. Depth to groundwater ranges from 21.76 to 22.63 feet at the Site.
2. Depth to bedrock is greater than 100 feet at the Site.
3. The stratigraphy of the site, from the surface down, consists of historic fill material, comprised of brown silty sand with some fragments of concrete, brick, and asphalt to depths as great as 5 feet, underlain by 5 to 10 feet of brown to orange-brown well graded sand.
4. Soil/fill samples were compared to NYSDEC 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). Soil/fill samples collected during the RI showed:
 - Volatile Organic Compounds (VOCs) were not detected above laboratory detection limits in any soil sample except tetrachloroethene was detected above laboratory detection limits in soil sample SB-3 (10-12') at a concentration of 0.0011 mg/kg, acetone was detected at 0.026 mg/kg in soil sample SB-5 (0-2'), and toluene was detected at 0.0011 mg/kg in soil sample SB-4 (10-12').
 - Five semi-volatile organic compounds (SVOC) including, benzo(a)anthracene (maximum concentration 6 mg/kg), benzo(a)pyrene (maximum concentration 6.6 mg/kg), benzo(b)fluoranthene (maximum concentration 6 mg/kg), dibenzo(a,h)anthracene (maximum concentration 0.81 mg/kg), and indeno(1,2,3-cd)pyrene (maximum concentration 4.8 mg/kg) were identified above UUSCOs and RRSCOs in multiple shallow soil samples. Additionally, chrysene was detected above UUSCOs in multiple shallow soil samples and above RRSCOs in SB4A (0-2') at a

concentration of 6.6 mg/kg. Benzo(k)fluoranthene was detected above UUSCOs in multiple shallow soil samples at a maximum concentration of 1.9 mg/kg. In deep sample SB-3 (10-12'), benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were also detected above UUSCOs and RRSCOs, and chrysene above UUSCOs.

- Polychlorinated Biphenyls (PCBs) were not detected above laboratory detection limits in any soil samples.
- Several metals were detected above UUSCOs and RRSCOs in multiple borings including lead at a maximum concentration of 708 mg/kg in SB-2 (0-2') and mercury at a maximum concentration of 30.2 mg/kg, also in SB-2 (0-2'). Zinc was detected above UUSCOs in several shallow samples (maximum 463 mg/kg) and copper (maximum 102 mg/kg) was detected above UUSCOs in two shallow samples, SB-2 (0-2') and SB-3 (0-2'). Arsenic (18.3 mg/kg) and barium (1060 mg/kg) were detected above RRSCOs in soil sample SB-2 (0-2'). Lead was also detected above UUSCOs in one deep soil sample at 169 mg/kg in soil sample SB-3 (10-12').
- Pesticides were not detected above laboratory detection limits in any soil sample.
- SB-5 (10-12') was analyzed for per- and polyfluoroalkyl substances (PFOA/PFAS) target analyte list. PFOA/PFAS compounds were not detected above laboratory detection limits in this soil sample. Additionally, soil sample SB-4 (10-12') was analyzed for 1,4-dioxane which was not detected above laboratory detection limits.

5. Groundwater samples were compared to New York State Department of Environmental Conservation 6NYCRR Part 703.5 Class GA Ambient Groundwater Standards (NYSDEC AWQS). Groundwater samples collected during the RI showed:

- One VOC, tetrachloroethene was detected above the AWQS in TW-2 at 5.2 µg/L. Tetrachloroethene was also detected above laboratory detection limits in several other groundwater samples. No other VOCs were detected in any other groundwater samples above the AWQS.
- SVOCs were not detected above the AWQS in any groundwater sample.

- PCBs were not detected above laboratory detection limits in any groundwater sample.
 - One pesticide, dieldrin was detected above the AWQS in TW-3 at 0.055 µg/L. No other pesticides were detected above the AWQS in any other groundwater samples.
 - Four metals (undissolved) were detected above the AWQS in several temporary wells including iron (maximum 1,270 µg/L), manganese (maximum 699 µg/L), sodium (maximum 89,500 µg/L), and antimony, only detected above the AWQS in TW-3 at 4.14 µg/L.
 - Three dissolved metals were detected above the AWQS in several temporary wells including sodium (maximum 42,800 µg/L), manganese (maximum 679.2 µg/L), and antimony, only detected above the AWQS in TW-3 at 4.3 µg/L.
 - All groundwater monitoring wells were analyzed for emerging contaminants. 1,4-dioxane was not detected above method detection limits in any groundwater samples. Several PFOA/PFAS compounds were detected above the New York Maximum Contaminant Level (MCL) for Drinking Water in multiple groundwater samples. Perfluoropentanoic Acid (PFPeA) (maximum 0.0134 µg/L), Perfluorohexanoic Acid (PFHxA) (maximum 0.03 µg/L), Perfluorooctanoic Acid (PFOA) (maximum 0.077 µg/L), Perfluorooctanesulfonic Acid (PFOS) (maximum 0.0248 µg/L) were detected in several groundwater samples above the MCL. Several other PFOA/PFAS compounds were detected only in TW-3 including Perfluorobutanoic Acid (PFBA) at 0.0162 µg/L, Perfluorobutanesulfonic Acid (PFBS) at 0.035 µg/L, and Perfluoroheptanoic Acid (PFHpA) at 0.0173 µg/L. The total concentration of PFOA/PFOS was the greatest in TW-3 at 0.102 µg/L.
6. Soil vapor sample results were compared to New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (May 2017) Matrix A, B, and C guidance values. No soil vapor sample results exceeded these guidance values. Tetrachloroethene was detected at 17.2 µg/m³ in SV-4, below the guidance value of 100 µg/m³ and methylene chloride was detected at 6.15 µg/m³ also below the guidance value of 100 µg/m³.

1.0 SITE BACKGROUND

362 Shepherd Development LLC has begun to investigate and remediate a 0.23-acre site located at 352-362 Shepherd Avenue in the East New York section of Brooklyn, New York. Residential use is proposed for the property. The RI work was performed on 25 and 27 August 2021. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 352-362 Shepherd Avenue in the East New York section of Brooklyn, New York and is identified as Block 3988, Lot 28 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 10,000-square feet (sf) in size and is bounded by residential homes to the north and to the south, Shepherd Avenue followed by a residential home and a miscellaneous garage/parking area to the east, and residential apartments to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is operated by Gils Auto Body and Hi-Tech Heating. The property contains a one-story warehouse/garage building encompassing the entire site footprint with a partial cellar.

1.2 PROPOSED REDEVELOPMENT PLAN

The development project will consist of an 8-story residential building with 53 units, with an affordable housing component, and a partial cellar over the majority of the Site extending to 10 feet below ground surface (ft bgs). The architectural set is still in the design phase and will be presented in the Remedial Action Work Plan.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

Current uses of the surrounding properties are summarized in the table below:

Direction	Adjoining Property	Surrounding Properties
North	Multi-family residential buildings	Residential buildings
South	Multi-family residential buildings	Residential buildings
East	Shepherd Avenue followed by a multi-family	Residential and industrial

	Residential building and a miscellaneous garage/ Parking area.	properties
West	Multi-family residential buildings	Multi-family residential buildings

No schools, hospitals, or daycares are located within a 500 ft radius of the Site. The properties immediately surrounding the Site to the east are zoned R6-A and the properties to the west are zoned R5-B. Properties across Shepherd Avenue to the southeast are zoned M1-1/R6-A.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

In the late 1880s, the subject site was improved with several dwellings. In the early 1900s the site was used as a “Toy Animal Factory”. By the late 1920s the previous site buildings were demolished and the site operated as a garage. The site continued to operate as a garage until the late 1960s/early 1970s. There was a gas tank present in the eastern portion of the site near Shepherd Avenue indicated in Sanborn Fire Insurance Maps from 1928 through 1968. There is no documentation regarding the size of the tank, closure status, or proper removal of the tank. Records indicate that the subject site operated as a gasoline service station from 1969-1972. From the late 1970s through the present the property was used for various auto-related purposes including an auto body shop, garages, used car sales, and towing and is also listed in the EDR Historic Auto database. The property is currently operated by Gils Auto Body and Hi-Tech Heating. 362 Shepherd Development LLC purchased the Site from Bandom Corp. in March 2021.

2.2 PREVIOUS INVESTIGATIONS

No known previous subsurface investigations have been completed on the site.

2.3 SITE INSPECTION

Haley & Aldrich personnel performed a visual Site inspection of the Site and surrounding properties on 25 August 2021 prior to beginning the remedial investigation. The Site is currently improved with a one-story warehouse building operating as an automotive repair shop and Hi-Tech Heating is a tenant in the space. A cellar is located along Shepherd Avenue in the southeast corner of the building. Haley & Aldrich personnel observed three above ground storage tanks (ASTs) in the eastern portion of the Site, approximately 300-gallons each. Two sealed drums with unknown contents were located next to the ASTs. Additionally, minor staining was observed in several areas of the garage floor. Two above-ground hydraulic lifts are located in the northwest corner of the building and another two above-ground hydraulic lifts are located in the northeast corner of the building.

2.4 AREAS OF CONCERN

A Phase I Environmental Assessment was completed by Singer Environmental Group in May 2021.

Several RECs/AOCs were identified to be associated with the subject site and include the following:

- Observation of two 275-gallon waste oil aboveground storage tanks.
- Historic use of the subject site for auto-related purposes including auto repair, auto body shop, tire shop, truck tire-service, truck renting, and motor repair. Additionally, the site operated as a gasoline service station from 1969 through 1972. The property to the west of the site was historically used as auto wrecking from the 1960s-2000s.
- Observation of three gasoline vents on the roof of the site building. Also, a gasoline tank is depicted on the southeastern portion of the subject property in the 1928, 1951, 1965, and 1968 Historic Sanborn Fire Insurance Maps.
- Permit issued in 2014 to install a boiler/oil burner and fuel oil tank in a trailer to create an emergency boiler.
- Site is listed in the NY Spills Database under Spill #9705843. The spill indicated a minor oil spill in the garage and was closed on 29 June 2010.

Singer recommended that a ground penetrating radar survey be conducted to determine the presence of any underground storage tanks.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is James M. Bellew.

3.2 HEALTH AND SAFETY

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. A site specific Health and Safety Plan is included in Appendix A.

3.3 MATERIALS MANAGEMENT

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Haley & Aldrich of New York, on behalf of 362 Shepherd Development LLC, performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed six (6) soil borings across the entire project Site, and collected thirteen (13) soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four (4) groundwater monitoring wells throughout the Site to establish groundwater flow and collected four (4) groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed five (5) soil vapor probes around the Site perimeter and collected five (5) samples for chemical analysis.

4.1 GEOPHYSICAL SURVEY

A geophysical survey was performed prior to the RI on 25 August 2021 in all accessible areas of the Site building. The survey was conducted by GPRS Inc. and utilized an underground scanning ground penetrating radar antenna and electromagnetic pipe and cable locator. Several areas were not accessible due to equipment storage and vehicles parked throughout the building. No anomalies potentially indicating the presence of USTs were detected in the areas accessible. A summary of the survey is included in Appendix B.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

On 25 and 27 August 2021 six (6) soil borings were installed across the Site using a direct-push Geoprobe track mounted rig (7822DT) operated by Coastal Environmental Solutions, Inc. Borings were installed with 5-foot-long steel macro-core samplers with disposable acetate liners. Soil was continuously observed from grade to approximately 12 feet below surface grade and continuously screened using a calibrated photoionization detector (PID) and inspected for visual and olfactory evidence of impact. No

elevated PID readings were identified during drilling. Soil samples were collected from each boring at the 0-2 feet interval and below proposed development depth at 10-12 feet. An additional soil sample (SB-4A 0-2') was collected from 0-2 ft bgs in the location of SV-4 in proximity of the hydraulic lifts. Generally, urban fill, comprised of brown silty sand with some fragments of asphalt, brick, and concrete was encountered extending to a maximum depth of 5 ft bgs followed by brown to orange-brown well-graded sand.

Boring logs were prepared by a geologist and are attached in Appendix C. A map showing the location of soil borings and monitoring wells is shown in Figure 2.

Groundwater Monitoring Well Construction

Four 2-inch diameter temporary PVC monitoring wells (TW-1 through TW-4) were installed in to approximately 30 ft bgs with 10 feet of 0.010 slot screen. The screen interval of each monitoring well was packed with filter sand and completed with a bentonite seal. Prior to the collection of groundwater samples, each monitoring well was purged.

Monitoring well locations are shown in Figure 2.

Survey

Soil borings, temporary well points, and soil vapor sampling locations were located with respect to two or more pertinent site features (i.e. select property boundary lines, adjacent structures).

Water Level Measurement

Approximate groundwater level measurements were collected using a Solinst water level meter. No free product was observed in the four temporary monitoring wells. Groundwater was encountered between 21.76 and 22.63 feet below grade. Water level data is included in Table 1.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater, and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of

contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Thirteen (13) soil samples and one field duplicate were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 2. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below. Samples were collected directly into laboratory provided glassware via stainless steel spoons or trowels. All sampling materials were decontaminated between uses withalconox and water. After sample collection, samples were immediately placed on ice in coolers and transported to the laboratory under chain of custody protocol.

All soil samples were analyzed for VOCs (EPA Method 8260), SVOCs (EPA Method 8270), Target Analyte List (TAL) metals (EPA Methods 6010 and 7471), and pesticides/PCBs (EPA Methods 8081 and 8082). One duplicate was collected and analyzed for the same parameters. One soil sample, SB-5 (10-12') was also analyzed for per- and polyfluoroalkyl substances (PFOA/PFAS) and due to low recovery at that location, a different soil sample, SB-4 (10-12') was analyzed for 1,4-dioxane.

Groundwater Sampling

Four (4) groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Table 3 and Table 3A. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix D. Figure 2 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

All groundwater samples were analyzed for VOCs (EPA Method 8260), SVOCs (EPA Method 8270), TAL metals both filtered and non-filtered (EPA Methods 6010 and 7471), pesticides/PCBs (EPA Methods 8081 and 8082), and PFAS and 1,4-dioxane (EPA Methods 8270 and 537). Sampling for PFAS was completed using PFAS free equipment such as high-density polyethylene and silicon tubing. One field blank was collected and analyzed for the same parameters. One trip blank was analyzed for VOCs. Samples were collected directly into laboratory provided glassware. All temporary wells were sampled

with dedicated tubing and materials. After sample collection, samples were immediately placed on ice in coolers and transported to the laboratory under chain of custody protocol.

Soil Vapor Sampling

Five (5) soil vapor probes and five (5) soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 1. Soil vapor sample collection data is reported in Table 4. Soil vapor sampling logs are included in Appendix E. Methodologies used for soil vapor assessment conform to the NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.

The soil vapor probes SV-1, SV-2, SV-3, and SV-5 were installed by a direct-push drilling rig to advance the stainless-steel probe to the desired sample depth, at approximately 10 ft bgs (proposed excavation depth). Due to confined space, SV-4 was installed using a hand auger and could only be advanced to 5 ft bgs. Soil vapor probes and polyethylene tubing were sealed with wetted bentonite. One to three implant volumes were purged prior to the collection of any soil-vapor samples. A tracer gas (helium) test was used to verify integrity of the seal both prior to sampling and after sample collection was complete. Samples were collected for two hours into 2.7-liter Summa canisters provided by the laboratory. Flow rate for both purging and sampling did not exceed 0.2 L/min. Sampling details are provided in Appendix E. All soil vapor samples were analyzed for VOCs by using EPA Method TO-15.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed Jim Todaro of Alpha Analytical
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Alpha Analytical
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006);

	• SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); • PFAS and 1,4-dioxane by EPA Methods 537 and 8270SIM Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); • PFAS and 1,4 dioxane by EPA Methods 537 and 8270SIM Soil vapor analytical methods: • VOCs by USEPA Method TO-15

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 4, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix F.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

The stratigraphy of the Site, from the surface down, consists of 0-5 feet of urban fill material, comprised of brown silty sand with some fragments of concrete, brick, and asphalt underlain by brown to orange-brown well graded sand to 12 ft bgs.

Hydrogeology

Water level data for all monitor wells is included in Table 1. The average depth to groundwater is 22.13 feet and the range in depth is 21.76 to 22.63 feet below grade.

5.2 SOIL CHEMISTRY

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Section 4.3. Figure 4 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

VOCs

VOCs were not detected above laboratory detection limits in any soil sample except, tetrachloroethene was detected above laboratory detection limits in soil sample SB-3 (10-12') at a concentration of 0.0011 mg/kg, acetone was detected at 0.026 mg/kg in SB-5 (0-2'), and toluene was detected at 0.0011 mg/kg in SB-4 (10-12').

SVOCs

Five semi-volatile organic compounds (SVOC) including, benzo(a)anthracene (maximum concentration 6 mg/kg), benzo(a)pyrene (maximum concentration 6.6 mg/kg), benzo(b)fluoranthene (maximum concentration 6 mg/kg), dibenzo(a,h)anthracene (maximum concentration 0.81 mg/kg), and indeno(1,2,3-cd)pyrene (maximum concentration 4.8 mg/kg) were identified above UUSCOs and RRSCOs in multiple shallow soil samples. Additionally, chrysene was detected above UUSCOs in multiple shallow soil samples and above RRSCOs in SB4A (0-2') at a concentration of 6.6 mg/kg. Benzo(k)fluoranthene

was detected above UUSCOs in multiple shallow soil samples at a maximum concentration of 1.9 mg/kg. In deep sample SB-3 (10-12'), benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were identified above UUSCOs and RRSCOs, and chrysene above UUSCOs.

Total Metals

Several metals were detected above UUSCOs and RRSCOs in multiple borings including lead at a maximum concentration of 708 mg/kg in SB-2 (0-2') and mercury at a maximum concentration of 30.2 mg/kg, also in SB-2 (0-2'). Zinc was detected above UUSCOs in several shallow samples (maximum 463 mg/kg) and copper (maximum 102 mg/kg) was detected above UUSCOs in two shallow samples, SB-2 (0-2') and SB-3 (0-2'). Arsenic (18.3 mg/kg) and barium (1060 mg/kg) were detected above RRSCOs in soil sample SB-2 (0-2'). Lead was also detected above UUSCOs in one deep soil sample at 169 mg/kg in soil sample SB-3 (10-12').

PCBs

PCBs were not detected above laboratory detection limits in any soil samples.

Pesticides

Pesticides were not detected above laboratory detection limits in any soil sample.

PFOA/PFAS

SB-5 (10-12') was analyzed for PFOA/PFAS target analyte list. PFOA/PFAS compounds were not detected above laboratory detection limits in this soil sample. Additionally, soil sample SB-4 (10-12') was analyzed for 1,4-dioxane which was not detected above laboratory detection limits.

5.3 GROUNDWATER CHEMISTRY

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Section 4.3. Exceedance of applicable groundwater standards are shown in Figures 5 & 6.

VOCs

One VOC, tetrachloroethene was detected above the AWQS in TW-2 at 5.2 µg/L. Tetrachloroethene was also detected above laboratory detection limits in several other groundwater samples. No other VOCs were detected in any other groundwater samples above the AWQS.

SVOCs

SVOCs were not detected above the AWQS in any groundwater sample.

Total Metals

Four metals (undissolved) were detected above the AWQS in several temporary wells including iron (maximum 1,270 µg/L), manganese (maximum 699 µg/L), sodium (maximum 89,500 µg/L), and antimony, only detected above the AWQS in TW-3 at 4.14 µg/L.

Dissolved Metals

Three dissolved metals were detected above the AWQS in several temporary wells including sodium (maximum 42,800 µg/L), manganese (maximum 679.2 µg/L), and antimony, only detected above the AWQS in TW-3 at 4.3 µg/L.

PCBs

PCBs were not detected above laboratory detection methods in any groundwater sample.

Pesticides

One pesticide, dieldrin was detected above the AWQS in TW-3 at 0.055 µg/L. No other pesticides were detected above the AWQS in any other groundwater samples.

1,4-Dioxane

1,4-dioxane was not detected above method detection limits in all groundwater samples.

PFOA/PFAS

All temporary monitoring wells were sampled for emerging contaminants including PFOA/PFAS. Several analytes were detected above the New York Maximum Contaminant Level for Drinking Water in multiple groundwater samples. Perfluoropentanoic Acid (PFPeA) (maximum 0.0134 µg/L), Perfluorohexanoic Acid (PFHxA) (maximum 0.03 µg/L), Perfluorooctanoic Acid (PFOA) (maximum 0.077 µg/L),

Perfluorooctanesulfonic Acid (PFOS) (maximum 0.0248 µg/L) were detected in several groundwater samples above the MCL. Several other PFOA/PFAS compounds were detected only in TW-3 including Perfluorobutanoic Acid (PFBA) at 0.0162 µg/L, Perfluorobutanesulfonic Acid (PFBS) at 0.035 µg/L, and Perfluoroheptanoic Acid (PFHpA) at 0.0173 µg/L. The total concentration of PFOA/PFOS was the greatest in TW-3 at 0.102 µg/L.

Figures 5 & 6 show the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 SOIL VAPOR CHEMISTRY

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Section 4.3.

Soil vapor sample results were compared to New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (May 2017) Matrix A, B, and C guidance values. No soil vapor sample results exceeded these guidance values. Tetrachloroethene was detected at 17.2 µg/m³ in SV-4, below the guidance value of 100 µg/m³ and methylene chloride was detected at 6.15 µg/m³ also below the guidance value of 100 µg/m³.

Figure 7 shows the location and posts the values for soil vapor samples with detected concentrations.

5.5 PRIOR ACTIVITY

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 IMPEDIMENTS TO REMEDIAL ACTION

There are no known impediments to remedial action at this property.

FIGURES



GIS: C:\Users\phillips\Desktop\igs_working\0201831\1\GISMap\apsu2021_06\201831_001_0001_PROJECT_LOCUS.mxd - lphillips - 6/11/2021 10:16:24 AM



MAP SOURCE: ESRI
SITE COORDINATES: 40°40'33"N, 73°52'53"W

**HALEY
ALDRICH**

352-362 SHEPHERD AVENUE
BROOKLYN, NEW YORK

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
JUNE 2021

FIGURE 1

C:\Users\jphillips\Desktop\gis_working\0201831\GIS\Maps\2021_06\201831_001_0002_SITE_PLAN.mxd - jphillips - 6/11/2021 10:02:22 AM



LEGEND

-  SITE BOUNDAR
-  APPROXIMATE LOCATIONS OF VENT PIPES (ROOF)
-  APPROXIMATE LOCATIONS OF HYDRAULIC LIFTS

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK STATE GIS
3. AERIAL IMAGERY SOURCE: NEARMAP, 10 MARCH 2021



0 40 80
SCALE IN FEET

HALEY
ALDRICH

352-362 SHEPHERD AVENUE
BROOKLYN, NEW YORK

SITE PLAN

SEPTEMBER 2021

FIGURE 2

C:\Users\jphillips\Desktop\GIS\GISMaps2021_06\201831_001_0002_SITE_PLAN.mxd - jphillips - 6/11/2021 10:02:22 AM



LEGEND

- [Dashed line] SITE BOUNDARY
- [Symbol: circle with crosshair] TEMPORARY MONITORING WELL/SOIL BORING
- [Symbol: circle with crosshair] SOIL BORING
- [Symbol: triangle with crosshair] TEMPORARY SOIL VAPOR POINT
- [Red dot] APPROXIMATE LOCATIONS OF VENT PIPES (ROOF)
- [Dashed rectangle] APPROXIMATE LOCATIONS OF HYDRAULIC LIFTS

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK STATE GIS
3. AERIAL IMAGERY SOURCE: NEARMAP, 10 MARCH 2021



0 40 80
SCALE IN FEET

HALEY
ALDRICH

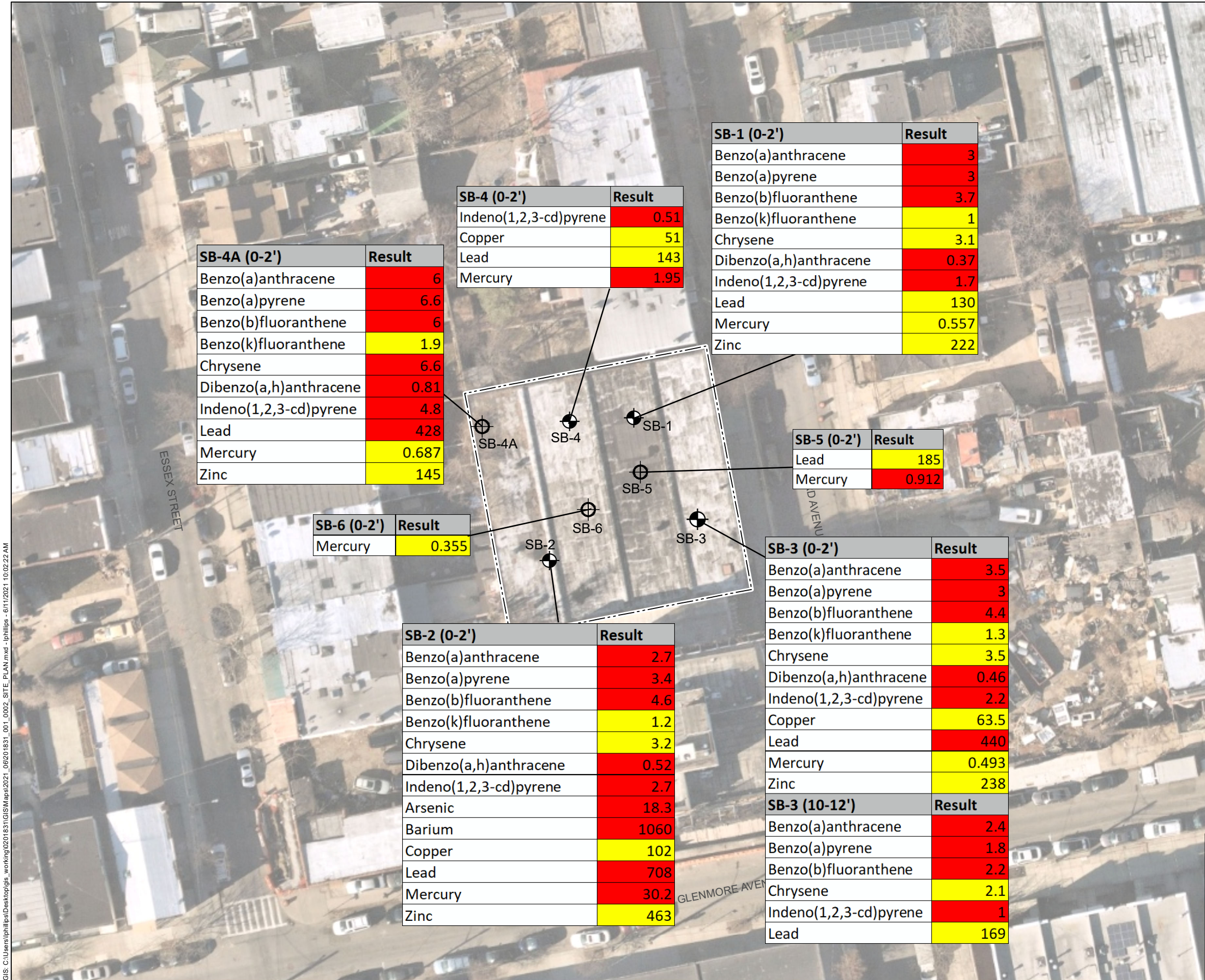
352-362 SHEPHERD AVENUE
BROOKLYN, NEW YORK

SAMPLE LOCATION MAP

SEPTEMBER 2021

FIGURE 3

C:\Users\jphillips\Desktop\GIS\GISMaps2021_06\201831_001_0002_SITE_PLAN.mxd - jphillips - 6/11/2021 10:02:22 AM



LEGEND

- [Dashed Line] SITE BOUNDARY
- [Well Symbol] TEMPORARY MONITORING WELL/SOIL BORING
- [Well Symbol] SOIL BORING)

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NEW YORK STATE GIS
3. AERIAL IMAGERY SOURCE: NEARMAP, 10 MARCH 2021

NYCRR Part 375 Unrestricted and Restricted Residential SCOs			
Analyte	Units	NY- ResRestricted	NY- Unrestricted
Benzo(a)anthracene	mg/kg	1	1
Benzo(a)pyrene	mg/kg	1	1
Benzo(b)fluoranthene	mg/kg	1	1
Benzo(k)fluoranthene	mg/kg	3.9	0.8
Chrysene	mg/kg	3.9	1
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5
Arsenic	mg/kg	16	13
Barium	mg/kg	400	350
Copper	mg/kg	270	50
Lead	mg/kg	400	63
Mercury	mg/kg	0.81	0.18
Zinc	mg/kg	10000	109



0 40 80
SCALE IN FEET

HALEY
ALDRICH

352-362 SHEPHERD AVENUE
BROOKLYN, NEW YORK

MAP OF SOIL CHEMISTRY

SEPTEMBER 2021

FIGURE 4



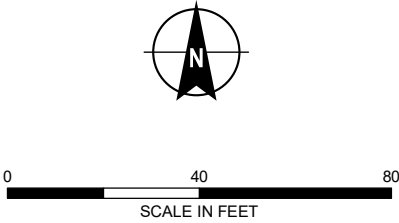
LEGEND

SITE BOUNDARY

TEMPORARY MONITORING WELL

- NOTES**
- 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 - 2. ASSESSOR PARCEL DATA SOURCE: NEW YORK STATE GIS
 - 3. AERIAL IMAGERY SOURCE: NEARMAP, 10 MARCH 2021

New York TOGS 111 Ambient Water Quality Standards		
Analyte	Units	NY-AWQS
Antimony, Dissolved	µg/L	3
Manganese, Dissolved	µg/L	300
Sodium, Dissolved	µg/L	20000
Dieldrin	µg/L	0.004
Antimony, Total	µg/L	3
Iron, Total	µg/L	300
Manganese, Total	µg/L	300
Sodium, Total	µg/L	20000
Tetrachloroethene	µg/L	5



HALEY
ALDRICH

352-362 SHEPHERD AVENUE
BROOKLYN, NEW YORK

MAP OF GROUNDWATER CHEMISTRY

SEPTEMBER 2021

FIGURE 5



C:\Users\jphillips\Desktop\GIS\GISMaps2021_06201831_001_0002_SITE_PLAN.mxd - jphillips - 6/11/2021 10:02:22 AM

LEGEND

SITE BOUNDARY

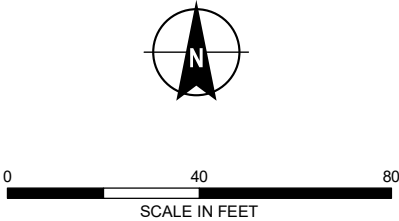
TEMPORARY SOIL VAPOR POINT

- NOTES
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ASSESSOR PARCEL DATA SOURCE: NEW YORK STATE GIS

3. AERIAL IMAGERY SOURCE: NEARMAP, 10 MARCH 2021

2017 NYSDOH Soil Vapor Intrusion Guidance Decision Matrices		
Analyte	Units	NYSDOH VI Sub-Slab Vapr Guidance
Methylene Chloride	µg/m3	100
Tetrachloroethene	µg/m3	100



HALEY
ALDRICH

352-362 SHEPHERD AVENUE
BROOKLYN, NEW YORK

MAP OF SOIL VAPOR CHEMISTRY

SEPTEMBER 2021

FIGURE 6

C:\Users\jphillips\Desktop\gis_working\0201831\GISMaps\2021_06\201831_001_0002_SITE_PLAN.mxd - jphillips - 6/11/2021 10:02:22 AM



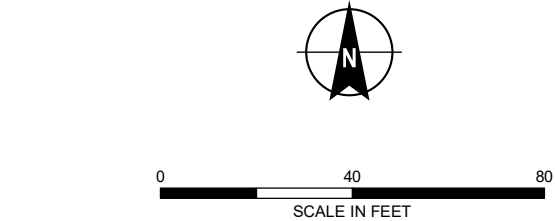
LEGEND

SITE BOUNDARY

TEMPORARY MONITORING WELL

New York Maximum Contaminant Level for Drinking Water		
Analyte	Units	MCL
PFOA/PFAS	µg/L	0.01

- NOTES**
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. ASSESSOR PARCEL DATA SOURCE: NEW YORK STATE GIS
 3. AERIAL IMAGERY SOURCE: NEARMAP, 10 MARCH 2021



**HALEY
ALDRICH**

352-362 SHEPHERD AVENUE
BROOKLYN, NEW YORK

**MAP OF EMERGING CONTAMINANTS
IN GROUNDWATER**

SEPTEMBER 2021

FIGURE 7

TABLES

Table 1. Boring/Well Construction Information
352-362 Shepherd Avenue, Brooklyn, NY

INSTALLATION DATE	LOCATION ID	DEPTH (FT)	DIAMETER OF BOREHOLE (IN)	CONSTRUCTION MATERIAL	SCREEN LENGTH (FT)	DEPTH TO WATER (FT)
8/25/2021	SB-1	12	2	Geoprobe	N/A	N/A
8/25/2021	SB-2	12	2	Geoprobe	N/A	N/A
8/27/2021	SB-3	12	2	Geoprobe	N/A	N/A
8/27/2021	SB-4	12	2	Geoprobe	N/A	N/A
8/25/2021	SB-5	12	2	Geoprobe	N/A	N/A
8/27/2021	SB-6	12	2	Geoprobe	N/A	N/A
8/25/2021	TW-1	30	2	PVC	10	22.10
8/25/2021	TW-2	30	2	PVC	10	22.03
8/27/2021	TW-3	30	2	PVC	10	21.76
8/27/2021	TW-4	30	2	PVC	10	22.63
8/25/2021	SV-1	10	N/A	Stainless Steel	N/A	N/A
8/25/2021	SV-2	10	N/A	Stainless Steel	N/A	N/A
8/27/2021	SV-3	10	N/A	Stainless Steel	N/A	N/A
8/27/2021	SV-4	5	N/A	Stainless Steel	N/A	N/A
8/25/2021	SV-5	10	N/A	Stainless Steel	N/A	N/A

Notes:

Depth to groundwater collected using a Solinst water level meter

No free product observed in any temporary well point

Geoprobe 7822DT track mounted rig used to install soil borings and groundwater wells

[illegible]

Table 2
352-362 Shepherd Avenue, Brooklyn, NY
Soil Analytical Results

LOCATION		SB-1 (0-2')		SB-1 (10-12')		SB-2 (0-2')		SB-2 (10-12')		SB-3 (0-2')		SB-3 (10-12')		SB-4 (0-2')		SB-4 (10-12')		SB-4A (0-2')		SB-4A (10-12')		SB-5 (0-2')		SB-5 (10-12')		SB-6 (0-2')		SB-6 (10-12')		DUP-20210827		
SAMPLING DATE		8/25/2021		8/25/2021		8/25/2021		8/25/2021		8/27/2021		8/27/2021		8/27/2021		8/27/2021		8/27/2021		8/27/2021		8/25/2021		8/25/2021		8/25/2021		8/27/2021				
LAB SAMPLE ID		L214509-47		L214509-48		L214509-49		L214509-50		L214620-82		L214620-83		L214620-84		L214620-85		L214620-86		L214620-87		L214509-45		L214509-46		L214509-43		L214509-44				
SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		
SAMPLE DEPTH (ft.)																																
		NY-ASDR	NY-UNRS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Bromodichloromethane				mg/kg	-	-	-	-	0.025	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
trans-1,3-Dichloropropene				mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
cis-1,3-Dichloropropene				mg/kg	-	-	-	-	0.025	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,3-Dichloropropane, Total				mg/kg	-	-	-	-	0.025	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,1-Dichloropropene				mg/kg	-	-	-	-	0.025	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bromofom				mg/kg	-	-	-	-	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,1,2,2-Tetrachloroethane				mg/kg	-	-	-	-	0.025	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzene		4.8		mg/kg	-	-	-	-	0.025	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toluene		100		mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ethylbenzene		41		mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chloromethane				mg/kg	-	-	-	-	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bromomethane				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vinyl chloride		0.9		mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chloroethane				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,1-Dichloroethene		100		mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
trans-1,2-Dichloroethene		100		mg/kg	-	-	-	-	0.074	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichloroethene		21		mg/kg	-	-	-	-	0.025	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dichlorobenzene		100		mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,3-Dichlorobenzene		49		mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene		13		mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methyl tert butyl ether		100		mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
p,m-Xylene				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
o-Xylene				mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Xylenes, Total		100		mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
cis-1,2-Dichloroethene		100		mg/kg	-	-	-	-	0.049	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dichloroethane, Total				mg/kg	-	-	-	-	0.049	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibromomethane				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Styrene				mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dichlorodifluoromethane				mg/kg	-	-	-	-	0.49	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acetone		100		mg/kg	-	-	-	-	0.49	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carbon disulfide				mg/kg	-	-	-	-	0.49	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Butanone		100		mg/kg	-	-	-	-	0.49	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vinyl acetate				mg/kg	-	-	-	-	0.49	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Methyl-2-pentanone				mg/kg	-	-	-	-	0.49	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2,3-Trichloropropane				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Heptanone				mg/kg	-	-	-	-	0.49	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bromochloromethane				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,2-Dichloropropane				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dibromobenzene				mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,3-Dichloropropane				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,1,2,2-Tetrachloroethane				mg/kg	-	-	-	-	0.025	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bromobenzene				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
n-Butylbenzene		100		mg/kg	-	-	-	-	0.049	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
sec-Butylbenzene		100		mg/kg	-	-	-	-	0.045	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
tert-Butylbenzene		100		mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
o-Chlorotoluene				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
p-Chlorotoluene				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dibromo-3-chloropropane				mg/kg	-	-	-	-	0.15	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobutadiene				mg/kg	-	-	-	-	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isopropylbenzene				mg/kg	-	-	-	-	0.049	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
p-Isopropyltoluene				mg/kg	-	-	-	-	0.049	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Naphthalene		100		mg/kg	-	-	-	-	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acrylonitrile		100		mg/kg	-	-	-	-	0.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
n-Propylbenzene				mg/kg	-	-	-	-	0.049	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2,3-Trichlorobenzene				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2,4-Trichlorobenzene				mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,3,5-Trimethylbenzene		52		mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2,4-Trimethylbenzene		52		mg/kg	-	-	-	-	0.099	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,4-Dioxane		13		mg/kg																												

352-362 Shepherd Avenue,
Brooklyn, NY
Table 3. Groundwater Analytical Results

LOCATION			TW-1		TW-2		TW-3		TW-4		DUP-20210827		FIELD BLANK		TRIP BLANK		
SAMPLING DATE			8/27/2021		8/25/2021		8/27/2021		8/27/2021		8/27/2021		8/27/2021		8/25/2021		
LAB SAMPLE ID			L2146282-01		L2145698-01		L2146282-02		L2146282-03		L2146282-04		L2146282-05		L2146282-06		
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER		
SAMPLE DEPTH (ft.)																	
		NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
1,4 Dioxane by 8270D-SIM																	
1,4-Dioxane			ug/l	0.139	U	0.139	U	0.139	U	0.144	U	0.139	U	0.144	U	-	-
Dissolved Metals																	
Aluminum, Dissolved			ug/l	6.43	J	3.44	J	10	U	10	U	10	U	-	-	-	-
Antimony, Dissolved			3 ug/l	0.89	J	0.81	J	4.3		0.65	J	0.75	J	-	-	-	-
Arsenic, Dissolved			25 ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Barium, Dissolved			1000 ug/l	26.7		39.72		65.01		47.1		24.24		-	-	-	-
Beryllium, Dissolved			3 ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	-	-	-	-
Cadmium, Dissolved			5 ug/l	0.2	U	0.2	U	0.2	U	0.42		0.2	U	-	-	-	-
Calcium, Dissolved			ug/l	19000		34600		39500		34400		18100		-	-	-	-
Chromium, Dissolved			50 ug/l	0.42	J	0.92	J	0.21	J	0.43	J	0.37	J	-	-	-	-
Cobalt, Dissolved			ug/l	0.59		1.8		1.13		2.09		0.49	J	-	-	-	-
Copper, Dissolved			200 ug/l	1	U	1	U	1	U	0.39	J	1	U	-	-	-	-
Iron, Dissolved			300 ug/l	50	U	21	J	50	U	50	U	50	U	-	-	-	-
Lead, Dissolved			25 ug/l	1	U	1	U	1	U	1	U	1	U	-	-	-	-
Magnesium, Dissolved			35000 ug/l	2320		5280		5560		3090		2180		-	-	-	-
Manganese, Dissolved			300 ug/l	239.8		93.68		679.2		339.8		170.5		-	-	-	-
Mercury, Dissolved			0.7 ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	-	-	-	-
Nickel, Dissolved			100 ug/l	1.05	J	1.45	J	2.46		7.58		0.81	J	-	-	-	-
Potassium, Dissolved			ug/l	3880		7460		9990		4560		3580		-	-	-	-
Selenium, Dissolved			10 ug/l	5	U	3.32	J	2.82	J	2.39	J	5	U	-	-	-	-
Silver, Dissolved			50 ug/l	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	-	-	-	-
Sodium, Dissolved			20000 ug/l	30600		42800		88700		24700		29200		-	-	-	-
Thallium, Dissolved			0.5 ug/l	1	U	1	U	1	U	1	U	1	U	-	-	-	-
Vanadium, Dissolved			ug/l	5	U	5	U	5	U	5	U	5	U	-	-	-	-
Zinc, Dissolved			2000 ug/l	10	U	10	U	10	U	183.2		10	U	-	-	-	-
Organochlorine Pesticides by GC																	
Delta-BHC			0.04 ug/l	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	-	-
Lindane			0.05 ug/l	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	-	-
Alpha-BHC			0.01 ug/l	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	-	-
Beta-BHC			0.04 ug/l	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	-	-
Heptachlor			0.04 ug/l	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	-	-
Aldrin			0 ug/l	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	-	-
Heptachlor epoxide			0.03 ug/l	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	-	-
Endrin			0 ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	-	-
Endrin aldehyde			5 ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	-	-
Endrin ketone			5 ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	-	-
Dieldrin			0.004 ug/l	0.029	U	0.009	J	0.055		0.004	JP	0.008	J	0.029	U	-	-
4,4'-DDE			0.2 ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	-	-
4,4'-DDD			0.3 ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	-	-
4,4'-DDT			0.2 ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	-	-
Endosulfan I			ug/l	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	-	-
Endosulfan II			ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	-	-
Endosulfan sulfate			ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	-	-
Methoxychlor			35 ug/l	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	-	-
Toxaphene			0.06 ug/l	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	-	-
cis-Chlordane			ug/l	0.014	U	0.018		0.014	U	0.014	U	0.014	U	0.014	U	-	-
trans-Chlordane			ug/l	0.014	U	0.006	J	0.014	U	0.014	U	0.014	U	0.014	U	-	-
Chlordane			0.05 ug/l	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	-	-
Polychlorinated Biphenyls by GC																	
Aroclor 1016			0.09 ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
Aroclor 1221			0.09 ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
Aroclor 1232			0.09 ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
Aroclor 1242			0.09 ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
Aroclor 1248			0.09 ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
Aroclor 1254			0.09 ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
Aroclor 1260			0.09 ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
Aroclor 1262			0.09 ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
Aroclor 1268			0.09 ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
PCBs, Total			ug/l	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	-	-
Semivolatile Organics by GC/MS																	
1,2,4-Trichlorobenzene			5 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Bis(2-chloroethyl)ether			1 ug/l	2	U	2	U	2	U	2	U	2	U	2	U	-	-
1,2-Dichlorobenzene			3 ug/l	2	U	2	U	2	U	2	U	2	U	2	U	-	-
1,3-Dichlorobenzene			3 ug/l	2	U	2	U	2	U	2	U	2	U	2	U	-	-
1,4-Dichlorobenzene			3 ug/l	2	U	2	U	2	U	2	U	2	U	2	U	-	-
3,3'-Dichlorobenzidine			5 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2,4-Dinitrotoluene			5 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2,6-Dinitrotoluene			5 ug/l	5	U	5	U	5	U	5	U	5	U	5	U	-	-
4-Chlor																	

LOCATION			TW-1		TW-2		TW-3		TW-4		DUP-20210827		FIELD BLANK		TRIP BLANK	
SAMPLING DATE			8/27/2021		8/25/2021		8/27/2021		8/27/2021		8/27/2021		8/27/2021		8/25/2021	
LAB SAMPLE ID			L2146282-01		L2145698-01		L2146282-02		L2146282-03		L2146282-04		L2146282-05		L2146282-06	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)																
	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
4-Nitrophenol		ug/l	10	U	10	U	10	U	10	U	10	U	10	U	-	-
2,4-Dinitrophenol	10	ug/l	20	U	20	U	20	U	20	U	20	U	20	U	-	-
4,6-Dinitro-o-cresol		ug/l	10	U	10	U	10	U	10	U	10	U	10	U	-	-
Phenol	1	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2-Methylphenol		ug/l	5	U	5	U	5	U	5	U	5	U	5	U	-	-
3-Methylphenol/4-Methylphenol		ug/l	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2,4,5-Trichlorophenol		ug/l	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Benzoic Acid		ug/l	50	U	50	U	50	U	50	U	50	U	50	U	-	-
Benzyl Alcohol		ug/l	2	U	2	U	2	U	2	U	2	U	2	U	-	-
Carbazole		ug/l	2	U	2	U	2	U	2	U	2	U	2	U	-	-
Semivolatile Organics by GC/MS-SIM																
Acenaphthene	20	ug/l	0.1	U	0.1	U	0.03	J	0.1	U	0.1	U	0.02	J	-	-
2-Chloronaphthalene	10	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.03	J	-	-
Fluoranthene	50	ug/l	0.1	U	0.02	J	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Hexachlorobutadiene	0.5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	-	-
Naphthalene	10	ug/l	0.1	U	0.77		0.08	J	0.05	J	0.1	U	0.1	U	-	-
Benzo(a)anthracene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.04	J	-	-
Benzo(a)pyrene	0	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Benzo(b)fluoranthene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Benzo(k)fluoranthene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Chrysene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Acenaphthylene		ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.02	J	-	-
Anthracene	50	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Benzo(ghi)perylene		ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Fluorene	50	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Phenanthrene	50	ug/l	0.1	U	0.05	J	0.09	J	0.03	J	0.1	U	0.04	J	-	-
Dibenzo(a,h)anthracene		ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Indeno(1,2,3-cd)pyrene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
Pyrene	50	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.03	J	-	-
2-Methylnaphthalene		ug/l	0.1	U	0.09	J	0.1	U	0.1	U	0.1	U	0.02	J	-	-
Pentachlorophenol	1	ug/l	0.1	J	0.8	U	0.8	U	0.8	U	0.8	U	0.14	J	-	-
Hexachlorobenzene	0.04	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.02	J	-	-
Hexachloroethane	5	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	-	-
Total Metals																
Aluminum, Total		ug/l	544		558		157		170		8880		10	U	-	-
Antimony, Total	3	ug/l	0.56	J	0.77	J	4.14		0.5	J	0.51	J	4	U	-	-
Arsenic, Total	25	ug/l	0.17	J	0.23	J	0.5	U	0.5	U	1.85		0.5	U	-	-
Barium, Total	1000	ug/l	35.2		43.98		67.23		49.77		140.7		0.5	U	-	-
Beryllium, Total	3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.7		0.5	U	-	-
Cadmium, Total	5	ug/l	0.22	U	0.2	U	0.07	J	0.42		0.16	J	0.2	U	-	-
Calcium, Total		ug/l	20000		32000		39400		36500		20200		100	U	-	-
Chromium, Total	50	ug/l	3.15		2.49		1.3		1.37		30.5		0.49	J	-	-
Cobalt, Total		ug/l	1.62		2.35		1.49		2.43		17.32		0.5	U	-	-
Copper, Total	200	ug/l	1.42		1.7		0.96	J	0.97	J	27.85		1	U	-	-
Iron, Total	300	ug/l	1270		1170		371		374		18800		50	U	-	-
Lead, Total	25	ug/l	0.75	J	0.64	J	1	U	1	U	12.53		1	U	-	-
Magnesium, Total	35000	ug/l	2640		5090		5670		3310		6080		70	U	-	-
Manganese, Total	300	ug/l	302.1		126.4		699		386.5		1507		1	U	-	-
Mercury, Total	0.7	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	-	-
Nickel, Total	100	ug/l	3.43		2.41		3.44		9.2		48.03		2	U	-	-
Potassium, Total		ug/l	4280		6670		10200		4970		5180		100	U	-	-
Selenium, Total	10	ug/l	5	U	3.9	J	2.92	J	2.06	J	2.82	J	5	U	-	-
Silver, Total	50	ug/l	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	-	-
Sodium, Total	20000	ug/l	32200		40600		89500		26000		32600		126		-	-
Thallium, Total	0.5	ug/l	1	U	0.35	J	1	U	1	U	1	U	1	U	-	-
Vanadium, Total		ug/l	1.65	J	5	U	5	U	5	U	24.13		5	U	-	-
Zinc, Total	2000	ug/l	10	U	10	U	10	U	203.8		38.6		10	U	-	-
Volatile Organics by GC/MS																
Methylene chloride	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	ug/l	2.5	U	3.2		1.1	J	1.7	J	2.5	U	2.5	U	2.5	U
Carbon tetrachloride	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	50	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Tetrachloroethene	5	ug/l	1.1		5.2		1.3		2.4		1.1		0.5	U	0.5	U
Chlorobenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichlorofluoromethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichloropropene, Total		ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromoform	50	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,1,2,2-Tetrachloroethane	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromomethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl chloride	2	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Xylenes, Total		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethene, Total		ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Dibromomethane	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2,3-Trichloropropane	0.04	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U

Red shaded results exceed NY-AWQS

J - Estimated Result

LOCATION			TW-1			TW-2			TW-3			TW-4			DUP-20210827		FIELD BLANK			TRIP BLANK	
SAMPLING DATE			8/27/2021			8/25/2021			8/27/2021			8/27/2021			8/27/2021		8/27/2021			8/25/2021	
LAB SAMPLE ID			L2146282-01			L2145698-01			L2146282-02			L2146282-03			L2146282-04		L2146282-05			L2146282-06	
SAMPLE TYPE			WATER			WATER			WATER			WATER			WATER		WATER			WATER	
SAMPLE DEPTH (ft.)																					
		NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Acrylonitrile		5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Styrene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Dichlorodifluoromethane		5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone		50	ug/l	2	J	5	U	5	U	2.5	J	5	U	5	U	5	U	5	U	5	U
Carbon disulfide		60	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Butanone		50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl acetate			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone		50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bromochloromethane		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2,2-Dichloropropane		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane		0.0006	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichloropropane		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1,2-Tetrachloroethane		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromobenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane		0.04	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene		0.5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Isopropyltoluene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene		10	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane			ug/l	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U
p-Diethylbenzene			ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
p-Ethyltoluene			ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4,5-Tetramethylbenzene		5	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Ethyl ether			ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,4-Dichloro-2-butene		5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Notes:																					
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards										U- Non-detect Result											
Red shaded results exceed NY-AWQS										J - Estimated Result											

352-362 Shepherd Avenue
Brooklyn, NY
Table 3A. Emerging Contaminants in Groundwater Analytical Results

LOCATION	TW-1			TW-2			TW-3			TW-4			DUP-20210827	FIELD BLANK			TRIP BLANK		
SAMPLING DATE	8/27/2021			8/25/2021			8/27/2021			8/27/2021			8/27/2021	8/27/2021			8/25/2021		
LAB SAMPLE ID	L2146282-01			L2145698-01			L2146282-02			L2146282-03			L2146282-04	L2146282-05			L2146282-06		
SAMPLE TYPE	WATER			WATER			WATER			WATER			WATER	WATER			WATER		
SAMPLE DEPTH (ft.)																			
	NY-MCL	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results
1,4 Dioxane by 8270D-SIM																			
1,4-Dioxane	1	ug/l	0.139	U	0.139	U	0.139	U	0.144	U	0.139	U	0.144	U	-	-	-	-	-
Perfluorinated Alkyl Acids by Isotope Dilution																			
Perfluorobutanoic Acid (PFBA)	0.01	ug/l	0.00729		0.00475		0.0162		0.00837		0.00724		0.00181	U	-	-	-	-	-
Perfluoropentanoic Acid (PFPeA)	0.01	ug/l	0.0134		0.00433		0.0335		0.0106		0.0133		0.00181	U	-	-	-	-	-
Perfluorobutanesulfonic Acid (PFBS)	0.01	ug/l	0.00731		0.00506		0.035		0.00741		0.00743		0.00181	U	-	-	-	-	-
Perfluorohexanoic Acid (PFHxA)	0.01	ug/l	0.0113		0.00478		0.03		0.0123		0.0115		0.00181	U	-	-	-	-	-
Perfluoroheptanoic Acid (PFHpA)	0.01	ug/l	0.00711		0.00515		0.0173		0.00871		0.00676		0.00181	U	-	-	-	-	-
Perfluorohexanesulfonic Acid (PFHxS)	0.01	ug/l	0.00164	J	0.00174	J	0.00613		0.00275		0.00166	J	0.00181	U	-	-	-	-	-
Perfluorooctanoic Acid (PFOA)	0.01	ug/l	0.0257		0.0281		0.077		0.0585		0.0259		0.00181	U	-	-	-	-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
Perfluoroheptanesulfonic Acid (PFHpS)	0.01	ug/l	0.00185	U	0.00183	U	0.000804	J	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
Perfluorononanoic Acid (PFNA)	0.01	ug/l	0.00242		0.00132	J	0.00557		0.00201		0.00229		0.00181	U	-	-	-	-	-
Perfluorooctanesulfonic Acid (PFOS)	0.01	ug/l	0.0185		0.017		0.0248		0.0205		0.0185		0.00181	U	-	-	-	-	-
Perfluorodecanoic Acid (PFDA)	0.01	ug/l	0.000285	J	0.00166	J	0.000288	JF	0.000539	J	0.000328	J	0.00181	U	-	-	-	-	-
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
Perfluoroundecanoic Acid (PFUnA)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
Perfluorodecanesulfonic Acid (PFDS)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
Perfluorooctanesulfonamide (FOSA)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
Perfluorododecanoic Acid (PFDoA)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
Perfluorotridecanoic Acid (PFTrDA)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
Perfluorotetradecanoic Acid (PFTA)	0.01	ug/l	0.00185	U	0.00183	U	0.00178	U	0.00178	U	0.00195	U	0.00181	U	-	-	-	-	-
PFOA/PFOS, Total	0.01	ug/l	0.0442		0.0451		0.102		0.079		0.0444		0.00181	U	-	-	-	-	-

Notes:
MCL- Maximum Contaminant Level
MCL for drinking water as per July 2020 New York State Department of Health
U- Not detected at the reported detection limit for the sample
J- Estimated result
F- Ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are estimated maximum concentration

352-362 Shepherd Avenue
Brooklyn, NY
Table 4. Soil Vapor Analytical Results

LOCATION				SV-1			SV-2			SV-3			SV-4			SV-5		
SAMPLING DATE				8/25/2021			8/25/2021			8/27/2021			8/27/2021			8/25/2021		
LAB SAMPLE ID				L2145694-03			L2145694-01			L2146257-01			L2146257-02			L2145694-02		
SAMPLE TYPE				SOIL_VAPOR			SOIL_VAPOR			SOIL_VAPOR			SOIL_VAPOR			SOIL_VAPOR		
SAMPLE DEPTH (ft.)																		
	NY-SSC-A	NY-SSC-B	NY-SSC-C	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air																		
Dichlorodifluoromethane				ug/m3	18.1	U	2.27		3.24		1.99		3.53		U			
Chloromethane				ug/m3	7.58	U	0.626	U	0.669		1.04		1.47		U			
Freon-114				ug/m3	25.7	U	2.12	U	2	U	1.4	U	4.99		U			
Vinyl chloride			6	ug/m3	9.38	U	0.775	U	0.731	U	0.511	U	1.83		U			
1,3-Butadiene				ug/m3	8.12	U	2.03		2.94		3.52		2.21					
Bromomethane				ug/m3	14.3	U	1.18	U	1.11	U	0.777	U	2.77		U			
Chloroethane				ug/m3	9.68	U	0.8	U	0.755	U	0.528	U	1.88		U			
Ethanol				ug/m3	173	U	21.7		121		183		35.2					
Vinyl bromide				ug/m3	16	U	1.32	U	1.25	U	0.874	U	3.12		U			
Acetone				ug/m3	591		152		404		76.5		133					
Trichlorofluoromethane				ug/m3	20.6	U	2.26		3.14		1.12	U	4.01		U			
Isopropanol				ug/m3	22.6	U	3.47		18.4		3.76		4.38					
1,1-Dichloroethene	6			ug/m3	14.6	U	1.2	U	1.13	U	0.793	U	2.83		U			
Tertiary butyl Alcohol				ug/m3	49.7		3.21		250		44		7.52					
Methylene chloride		100		ug/m3	31.9	U	6.15		2.48	U	1.74	U	6.18		U			
3-Chloropropene				ug/m3	11.5	U	0.948	U	0.895	U	0.626	U	2.23		U			
Carbon disulfide				ug/m3	11.4	U	27.3		3.24		1.47		6.98					
Freon-113				ug/m3	28.1	U	2.32	U	2.19	U	1.53	U	5.47		U			
trans-1,2-Dichloroethene				ug/m3	14.6	U	1.2	U	1.13	U	0.793	U	2.83		U			
1,1-Dichloroethane				ug/m3	14.9	U	1.23	U	1.16	U	0.809	U	2.89		U			
Methyl tert butyl ether				ug/m3	13.2	U	1.09	U	1.03	U	0.721	U	2.57		U			
2-Butanone				ug/m3	2600		307		246		139		634					
cis-1,2-Dichloroethene	6			ug/m3	14.6	U	1.2	U	1.13	U	0.793	U	2.83		U			
Ethyl Acetate				ug/m3	33.1	U	2.73	U	2.57	U	1.8	U	6.41		U			
Chloroform				ug/m3	17.9	U	2.04		1.4	U	1.75		3.49		U			
Tetrahydrofuran				ug/m3	27.1	U	2.44		4.72		3.75		5.25		U			
1,2-Dichloroethane				ug/m3	14.9	U	1.23	U	1.16	U	0.809	U	2.89		U			
n-Hexane				ug/m3	12.9	U	10.2		42.6		70.8		18					
1,1,1-Trichloroethane		100		ug/m3	20	U	1.65	U	1.56	U	1.09	U	3.9		U			
Benzene				ug/m3	11.7	U	7.16		22.9		16.7		8.63					
Carbon tetrachloride	6			ug/m3	23.1	U	1.91	U	1.8	U	1.26	U	4.49		U			
Cyclohexane				ug/m3	12.6	U	2.31		19		26.9		3.36					
1,2-Dichloropropane				ug/m3	17	U	1.4	U	1.32	U	0.924	U	3.3		U			
Bromodichloromethane				ug/m3	24.6	U	2.03	U	1.92	U	1.34	U	4.78		U			
1,4-Dioxane				ug/m3	13.2	U	1.09	U	1.03	U	0.721	U	2.57		U			
Trichloroethene	6			ug/m3	19.7	U	1.63	U	1.54	U	1.07	U	3.84		U			
2,2,4-Trimethylpentane				ug/m3	17.1	U	2.47		145		87.8		3.33		U			
Heptane				ug/m3	20.6		5.82		27.9		31.7		10.4					
cis-1,3-Dichloropropene				ug/m3	16.7	U	1.38	U	1.3	U	0.908	U	3.24		U			
4-Methyl-2-pentanone				ug/m3	37.6	U	3.11		5.9		3.81		7.29		U			
trans-1,3-Dichloropropene				ug/m3	16.7	U	1.38	U	1.3	U	0.908	U	3.24		U			
1,1,2-Trichloroethane				ug/m3	20	U	1.65	U	1.56	U	1.09	U	3.9		U			
Toluene				ug/m3	13.8	U	141		118		90.4		237					
2-Hexanone				ug/m3	381		31.8		61.5		32.4		65.6					
Dibromochloromethane				ug/m3	31.3	U	2.58	U	2.44	U	1.7	U	6.08		U			
1,2-Dibromoethane				ug/m3	28.2	U	2.33	U	2.2	U	1.54	U	5.49		U			
Tetrachloroethene		100		ug/m3	24.9	U	8.68		1.94	U	17.2		57.5					
Chlorobenzene				ug/m3	16.9	U	1.4	U	1.32	U	0.921	U	3.29		U			
Ethylbenzene				ug/m3	15.9	U	24.9		25.7		20		42.9					
p/m-Xylene				ug/m3	31.9	U	99.5		88.2		69.9		171					
Bromoform				ug/m3	37.9	U	3.13	U	2.96	U	2.07	U	7.38		U			
Styrene				ug/m3	15.6	U	2.09		1.22		1.05		3.33					
1,1,2,2-Tetrachloroethane				ug/m3	25.2	U	2.08	U	1.96	U	1.37	U	4.9		U			
o-Xylene				ug/m3	15.9	U	30.2		39.3		30.2		51.3					
4-Ethyltoluene				ug/m3	18	U	4.27		3.83		4.97		7.52					
1,3,5-Trimethylbenzene				ug/m3	18	U	5.11		6.78		7.03		9.54					
1,2,4-Trimethylbenzene				ug/m3	18	U	21.9		21.5		23.8		38.2					
Benzyl chloride				ug/m3	19	U	1.57	U	1.48	U	1.04	U	3.7		U			
1,3-Dichlorobenzene				ug/m3	22.1	U	1.82	U	1.72	U	1.2	U	4.29		U			
1,4-Dichlorobenzene				ug/m3	22.1	U	1.82	U	1.72	U	1.2	U	4.29		U			
1,2-Dichlorobenzene				ug/m3	22.1	U	1.82	U	1.72	U	1.2	U	4.29		U			
1,2,4-Trichlorobenzene				ug/m3	27.2	U	2.25	U	2.12	U	1.48	U	5.3		U			
Hexachlorobutadiene				ug/m3	39.1	U	3.23	U	3.05	U	2.13	U	7.62		U			

Notes:

Yellow shaded results exceed one of Matrices

U- Non-Detect Results

NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

APPENDIX A

Health and Safety Plan



**HALEY & ALDRICH, INC.
SITE-SPECIFIC SAFETY PLAN**

FOR

352-362 Shepherd Avenue

352-362 Shepherd Avenue, Brooklyn, NY

Project/File No. 0201831

Gensuite EZ Scan®



BI - Developers

Prepared By: Sarah Commisso

Date: 8/16/2021

Approvals: The following signatures constitute approval of this Health & Safety Plan.

A handwritten signature in blue ink, appearing to read "Brian Ferguson".

Field Safety Manager: Brian Ferguson

Date: 8/16/2021

A handwritten signature in blue ink, appearing to read "Mari Cate Conlon".

Insert Project Manager's electronic signature.

Project Manager: Mari Cate Conlon

Date: 8/16/2021

HASP Valid Through: 12-31-2021

Table of Contents

Page

No table of contents entries found.

Attachments

Attachment A	HASP Amendment Form
Attachment B	Training Requirements
Attachment C	Roles and Responsibilities
Attachment D	Job Safety Analyses

STOP WORK AUTHORITY

In accordance with Haley & Aldrich (Haley & Aldrich) Stop Work Authority Operating Procedure (OP1035), any individual has the right to refuse to perform work that he or she believes to be unsafe without fear of retaliation. He or she also has the authority, obligation, and responsibility to stop others from working in an unsafe manner.

STOP Work Authority is the stop work policy for all personnel and subcontractors on the Site. When work has been stopped due to an unsafe condition, Haley & Aldrich site management (e.g., Project Manager [PM], Site Health & Safety Officer [SHSO], etc.) and the Haley & Aldrich Senior Project Manager (SPM) will be notified immediately.

Reasons for issuing a stop work order include, but are not limited to:

- The belief/perception that injury to personnel or accident-causing significant damage to property or equipment is imminent.
- A Haley & Aldrich subcontractor is in breach of site safety requirements and/or their own site HASP.
- Identifying a substandard condition (e.g., severe weather) or activity that creates an unacceptable safety risk as determined by a qualified person.

Work will not resume until the unsafe act has been stopped OR sufficient safety precautions have been taken to remove or mitigate the risk to an acceptable degree. Stop work orders will be documented as part of an on-site stop work log, on daily field reports to include the activity/activities stopped, the duration, person stopping work, person in-charge of stopped activity/activities, and the corrective action agreed to and/or taken. Once work has been stopped, only the Haley & Aldrich SPM or SHSO can give the order to resume work. Haley & Aldrich senior management is committed to support anyone who exercises his or her "Stop Work" authority.

ISSUANCE AND COMPLIANCE

This HASP has been prepared in accordance with Occupational Safety and Health Administration (OSHA) regulations (CFR 29, Parts 1904, 1910, and 1926) if such are applicable.

The specific requirements of this HASP include precautions for hazards that exist during this project and may be revised as new information is received or as site conditions change.

- This HASP must be signed by all Haley & Aldrich personnel involved in implementation of the SOW (Section 2 of this HASP).
- This HASP, or a current signed copy, must be retained at all times when Haley & Aldrich staff are present.
- Revisions to this HASP must be outlined within the contents of the HASP. If immediate or minor changes are necessary, the Field Safety Manager (FSM), Haley & Aldrich, SSO and/or Project Manager (PM) may use Attachment 1 (HASP Amendment Form), presented at the end of this HASP. Any revision to the HASP requires employees and subcontractors to be informed of the changes so that they understand the requirements of the change.
- Deviations from this HASP are permitted with approval from the Haley & Aldrich FSM, PM, or Senior Health & Safety Manager (SHSM). Unauthorized deviations may constitute a violation of Haley & Aldrich company procedures/policies and may result in disciplinary action.
- This HASP will be relied upon by Haley & Aldrich's subcontractors and visitors to the site. Haley & Aldrich's subcontractors must have their own HASP which will address hazards specific to their trade that is not included in this HASP. This HASP will be made available for review to Haley & Aldrich's subcontractors and other interested parties (e.g. Facility personnel and regulatory agencies) to ensure that Haley & Aldrich has properly informed our subcontractors and others of the potential hazards associated with the implementation of the SOW to the extent that Haley & Aldrich is aware.

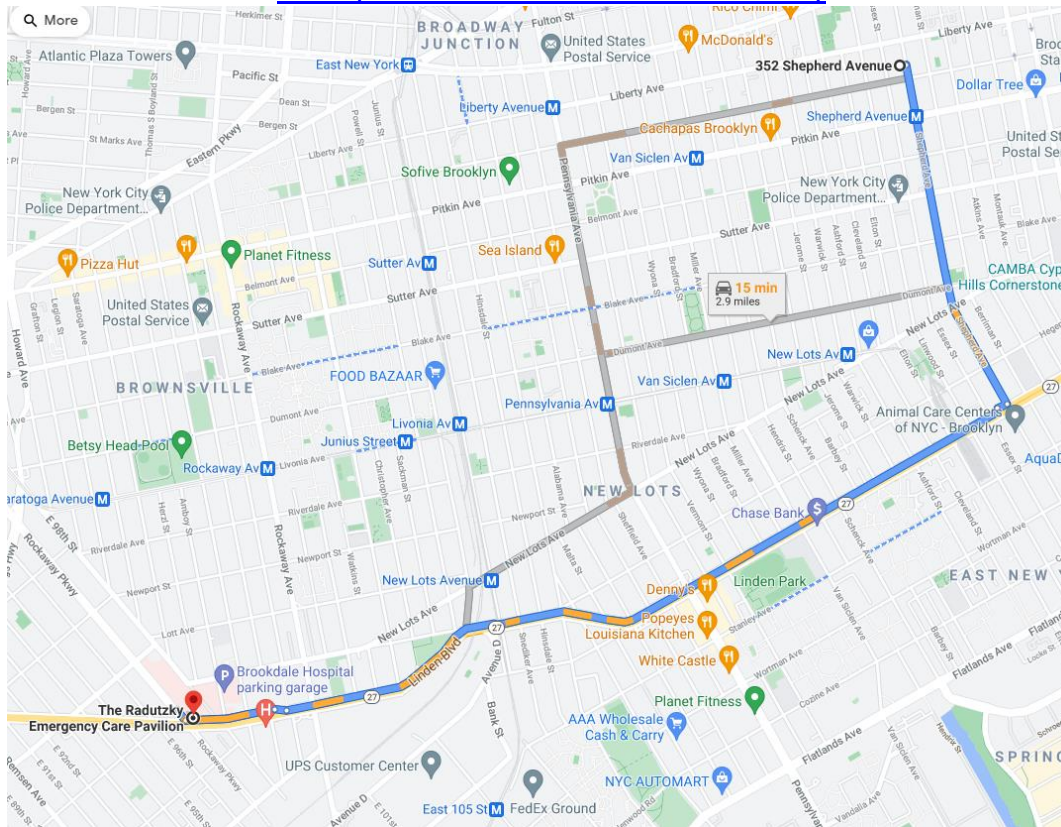
This site-specific HASP provides only site-specific descriptions and work procedures. General safety and health compliance programs in support of this HASP (e.g., injury reporting, medical surveillance, personal protective equipment (PPE) selection, etc.) are described in detail in the Haley & Aldrich Corporate Health and Safety Program Manual and within Haley & Aldrich's Standard Operating Procedures Both the manual and SOPs can be located on the Haley & Aldrich's Company Intranet. When appropriate, users of this HASP should always refer to these resources and incorporate to the extent possible. The manual and SOPs are available to clients and regulators upon request.

EMERGENCY EVENT PROCEDURES	
1 - ASSESS THE SCENE	
• STOP WORK • Review the situation and ascertain if it's safe to enter the area. • Evacuate the site if the conditions are unsafe.	
2 - EVALUATE THE EMERGENCY	
• Call 911, or designated emergency number, if required. • Provide first aid for the victim if qualified and safe to do so. ○ First aid will be addressed using the onsite first aid kit. * ▪ If providing first aid, remember to use proper first aid universal precautions if blood or bodily fluids are present. • If exposure to hazardous substance is suspected, immediately vacate the contaminated area. ○ Remove any contaminated clothing and/or equipment. ○ Wash any affected dermal/ocular area(s) with water for at least 15 minutes. ○ Seek immediate medical assistance if any exposure symptoms are present. <i>* Note: Haley & Aldrich employees are not required or expected to administer first aid / CPR to any Haley & Aldrich staff member, Contractor, or Civilian personnel at any time; it is Haley & Aldrich's position that those who do are doing so on their own behalf and not as a function of their job.</i>	
3 - SECURE THE AREA	
• Cordon off the incident area, if possible. ○ Notify any security personnel, if required. ○ Escort all non-essential personnel out of the area, if able.	
4 - REPORT ON-SITE ACCIDENTS / INCIDENTS TO PM / SSO	
• Notify the PM and SSO as soon as it is safe to do so. ○ Assist PM and SSO in completing any additional tasks, as required.	
5 - INVESTIGATE / REPORT THE INCIDENT	
• Record details of the incident for input to the Gensuite. ○ Complete any additional forms as requested by the PM and SSO.	
6 - TAKE CORRECTIVE ACTION	
• Implement corrective actions per the PM following root cause analysis. ○ Complete Lessons Learned form.	

PROJECT INFORMATION AND CONTACTS	
Project Name: 352-362 Shepherd Avenue	Haley & Aldrich File No.: 0201831
Location: 352-362 Shepherd Avenue, Brooklyn, NY	
Client/Site Contact: Phone Number:	Moshe Monheit 917.407.5735
Haley & Aldrich Field Representative: Phone Number: Emergency Phone Number:	Sarah Commisso 516.317.9861 631.332.9546
Haley & Aldrich Project Manager: Phone Number: Emergency Phone Number:	Mari Cate Conlon 347.271.1521 646.277.5688
Field Safety Manager: Phone Number: Emergency Phone Number:	Sarah Commisso 516.317.9861 631.332.9546
Subcontractor Project Manager: Phone Number:	Marc Morgenstern 516.587.9570
Nearest Hospital: Address: (See map on next page) Phone Number:	The Radutzky Emergency Care Pavillion 1 Brookdale Plaza, Brooklyn, NY 11212 718.240.5363
Nearest Occ. Health Clinic: http://www.talispoint.com/liberty/ext/ Address: (See map on next page) Phone Number:	NYC Health and Hospitals/Gotham Health, East New York 2094 Pitkin Ave, Brooklyn, NY 844.692.4692
Liberty Mutual Claim Policy	WC6-Z11-254100-031
Emergency Response Number:	911
Other Local Emergency Response Number:	N/A
Other Ambulance, Fire, Police, or Environmental Emergency Resources:	N/A

DIRECTIONS TO THE NEAREST HOSPITAL

Liberty Mutual Medical Location Directory



Directions to the Nearest Hospital:

352 Shepherd Ave

Brooklyn, NY 11208

- ↑ Head south on Msgr. John T. Peyton Ave/Shepherd Ave toward Glenmore Ave
- [Continue to follow Shepherd Ave](#)

0.8 mi

- Turn right onto Linden Blvd

121 ft

- Keep left to stay on Linden Blvd

1.8 mi

- Slight right toward Linden Blvd

148 ft

- Slight left onto Linden Blvd

0.2 mi

- Turn right onto Rockaway Pkwy

- [Destination will be on the right](#)

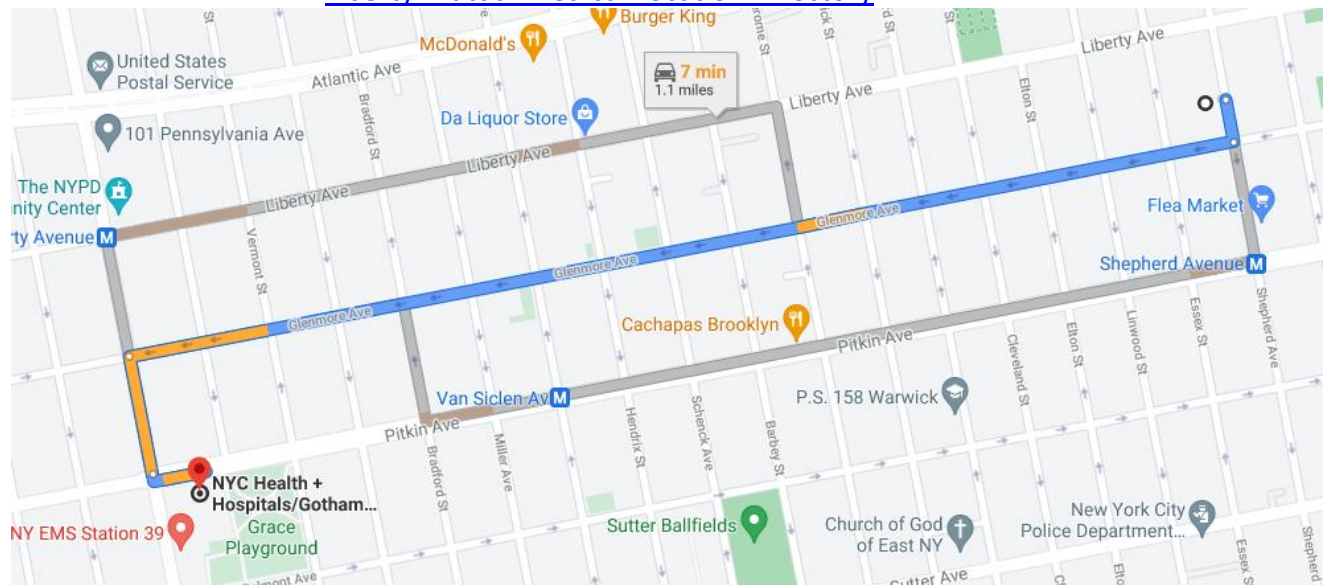
164 ft

The Radutsky Emergency Care Pavilion

1 Brookdale Plaza, Brooklyn, NY 11212

DIRECTIONS TO THE NEAREST URGENT CARE

[Liberty Mutual Medical Location Directory](#)



Directions to the Nearest Occupational Clinic: Paste map and directions showing route to nearest hospital here.

352 Shepherd Ave

Brooklyn, NY 11208

- ↑ Head south on Msgr. John T. Peyton Ave/Shepherd Ave toward Glenmore Ave
161 ft
- ➡ Turn right at the 1st cross street onto Glenmore Ave
0.8 mi
- ➡ Turn left onto Granville Payne Ave/Pennsylvania Ave
453 ft
- ➡ Turn left onto Pitkin Ave
226 ft
Destination will be on the right

NYC Health + Hospitals/Gotham Health, East New York

2094 Pitkin Ave, Brooklyn, NY 11207

WORK SCOPE

This Site-Specific Health and Safety Plan addresses the health and safety practices and procedures that will be exercised by all Haley & Aldrich employees participating in all work on the Project Site. This plan is based on an assessment of the site-specific health and safety risks available to Haley & Aldrich and Haley & Aldrich's experience with other similar project sites. The scope of work includes the following:

A Phase II Investigation will be performed at the site located at 352-362 Shepherd Avenue, Brooklyn, NY. An investigation of soil, soil vapor, and groundwater will be performed to properly characterize the site for potential environmental impacts from historic on-site/off-site uses, operations, etc. Additionally, a geophysical survey will be performed across the entire site to investigate for the presence of any potential USTs.

Project Task Breakdown

Task No.	Task Description	Employee(s) Assigned	Work Date(s) or Duration
1	Drilling- Oversee installation of soil borings, temporary groundwater monitoring wells, and soil vapor implants by Eastern Environmental Solutions using a Geoprobe drilling rig. Eastern will provide a one call markout prior to drilling	Sarah Commisso	2 days
2	Soil, Soil Vapor, & Groundwater Sampling- Collect soil samples, soil vapor samples, and groundwater samples into laboratory provided containers	Sarah Commisso	2 days
3	Geophysical Survey- Oversee a geophysical survey of the entire property to investigate for the presence of any potential USTs.	Sarah Commisso	1 day

Subcontractor(s) Tasks

Firm Name	Work Activity	Work Date(s) or Duration
Eastern Environmental Solutions	Drilling	2 days

Projected Start Date: 8/19/2021

Projected Completion Date: 8/20/2021

Subcontractor(s) Tasks

Firm Name	Work Activity	Work Date(s) or Duration

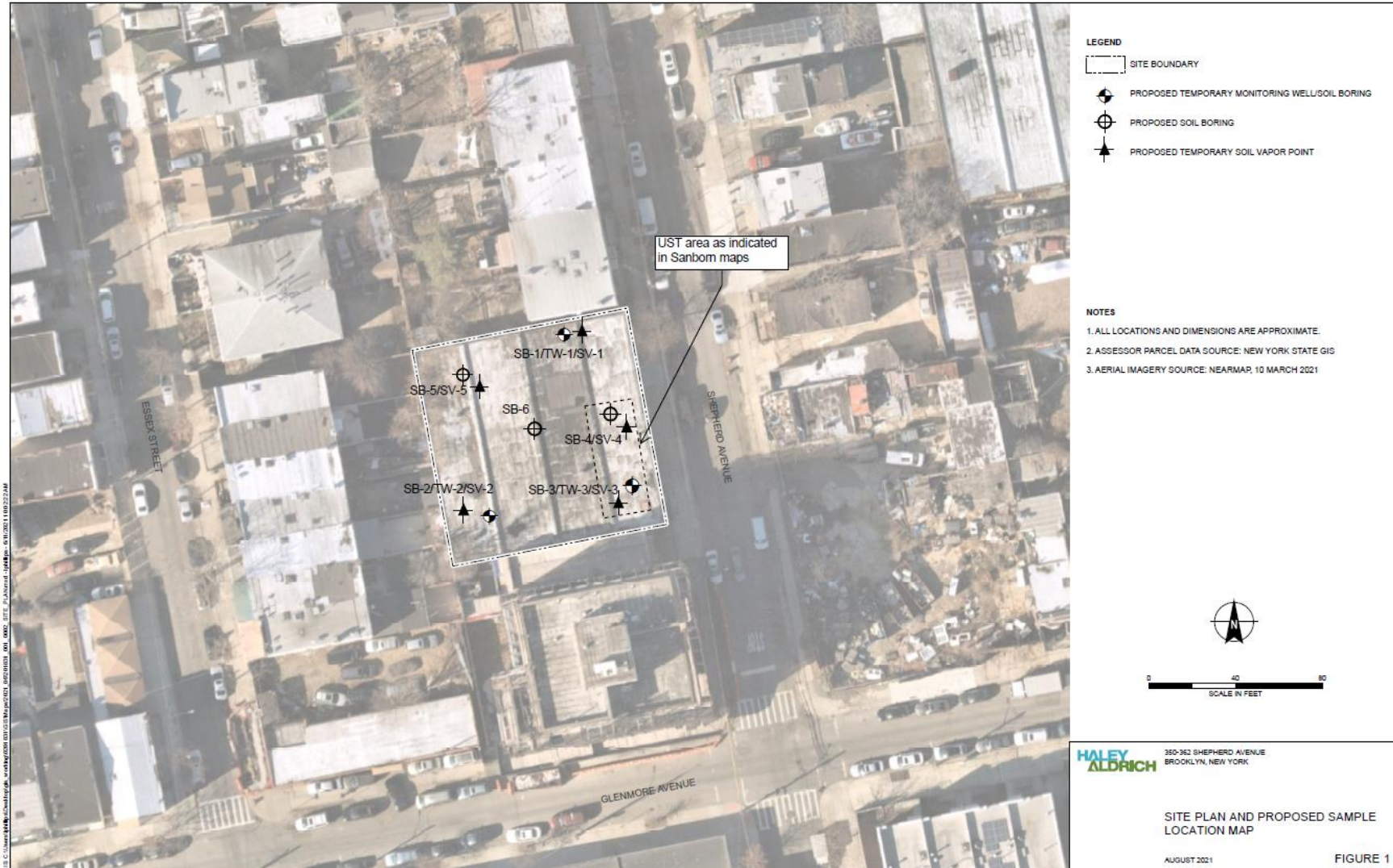
GPRS	GPR Survey	1 day
Projected Start Date: 8/23/2021		
Projected Completion Date: 8/23/2021		

SITE OVERVIEW / DESCRIPTION	
Site Classification	
Commercial/Garage	
Site Description	
The Site is located at 352-362 Shepherd Ave in the East New York neighborhood of Brooklyn, New York and is identified as Block 3988, Lot 28 on the New York City Tax Map. The site is 10,000 square feet in size and currently operates as an auto body shop. The site contains a one-story commercial/garage building encompassing the entire site footprint with a partial cellar.	
Background and Historic Site Usage	
The property is currently an E-Designation Site identified under E-366- East New York Rezoning Action. The requirements under the E-Designation program are satisfaction of the requirements for Hazardous Material and Air Components with the New York City Office of Environmental Remediation (NYCOER). The air requirement for this site is the exclusive use of natural gas. The site was developed in the late 1880s with several dwellings. By the late 1920s, the previous site buildings were demolished, and the site began operating as a garage. The site continued to operate as a garage until the late 1960s/early 1970s. There was a gas tank present in the eastern portion of the site near Shepherd Avenue indicated in Sanborn Fire Insurance Maps from 1928 through 1968. There is no documentation regarding the size of the tank, closure status, or proper removal of the tank. The subject site operated as a gasoline service station from 1969-1972. From the late 1970s through the present the site was used for various auto-related purposes including an auto body shop, garages, used car sales, and towing. The property is currently operated by Gils Auto Body.	
Site Status	
Indicate current activity status and describe operations at the site: Active Auto Body Shop	
Site Plan	
Is a site plan or sketch available? Yes	

Work Areas

List and identify each specific work areas(s) on the job site and indicate its location(s) on the site plan:
The work area consists of the entire property within the one-story commercial/garage building encompassing the entire lot.

Site Plan



HAZARD ASSESSMENT

Indicate all hazards that may be present at the site and for each task. If any of these potential hazards are checked, it is the Project Manager's responsibility to determine how to eliminate / minimize the hazard to protect onsite personnel.

Site Chemical Hazards

Is this Site impacted with chemical contamination? Unknown

Source of information about contaminants: Previous Investigation

Contaminant of Concern	Location/Media	Concentration	Units
BTEX/VOCs	Soil	Unknown	ug/kg
BTEX/VOCs: BTEX is an acronym for benzene, toluene, ethylbenzene, and xylenes. These compounds are VOCs, are common in petroleum-related products (e.g., oil, gasoline, coal-tar DNAPL, etc.), and frequently co-occur at hazardous waste sites. Benzene, toluene, ethylbenzene, and xylenes have acute and chronic harmful effects on the central nervous system. Benzene is classified as a carcinogen. Short-term health effects of low-level BTEX exposure include drowsiness, dizziness, accelerated heart rate, headaches, tremors, confusion, and unconsciousness.			

Site Hazards Checklist

Weather

Hot Temperatures

Lightning Storms

Hot Temperatures

Heat stress may occur at any time work is being performed at elevated ambient temperatures. Because heat stress is one of the most common and potentially serious illnesses associated with outdoor work during hot seasons, regular monitoring and other preventative measures are vital. Site workers must learn to recognize and treat the various forms of heat stress. The best approach is preventative heat stress management.

H&A employees and their subcontractors should be aware of potential health effects and/or physical hazards of working when there are hot temperatures or a high heat index. Refer OP1015-Heat Stress for a discussion on hot weather hazards.

Lightning Storms

Where the threat of electrical storms and the hazard of lightning exist staff shall ensure site procedures exist to: (1) detect when lightning is in the near vicinity and when there is a potential for lightning and (2) to notify appropriate site personnel of these conditions and (3) implement protocols to stop work and seek shelter.

The 30-30 Rule states that if time between seeing the lightning and hearing the thunder is less than 30 seconds, you are in danger and must seek shelter. You must also stay indoors for more than 30 minutes after hearing the last clap of thunder.

Location/Terrain			
Slip/Trip/Falls	Economically Depressed		
Slips, Trips & Falls Slip and trip injuries are the most frequent injuries to workers. Statistics show most falls happen on the same level resulting from slips and trips. Both slips and trips result from unintended or unexpected change in the contact between the feet and the ground or walking surface. Good housekeeping, quality of walking surfaces (flooring), awareness of surroundings, selection of proper footwear, and appropriate pace of walking are critical for preventing fall accidents. Site workers will be walking on a variety of irregular surfaces, that may affect their balance. Extra care must be taken to walk cautiously near rivers because the bottom of the riverbed maybe slick and may not be visible. Rocks, gradient changes, sandy bottoms, and debris may be present but not observable. Take your time and pay attention to where you are going. Adjust your stride to a pace that is suitable for the walking surface and the tasks you are doing. Check the work area to identify hazards - beware of trip hazards such as wet floors, slippery floors, and uneven surfaces or terrain. Establish and utilize a pathway free of slip and trip hazards. Choose a safer walking route. Carry loads you can see over. Keep work areas clean and free of clutter. Communicate hazards to on-site personnel and remove hazards as appropriate. Economically Depressed Areas Economically depressed areas may have high crime rates. Projects involving work in, and around inactive industrial sites may bring staff into contact with indigent and homeless persons. Staff could be subjected to crime that includes but may not be limited to thievery, vandalism, and violence. Prior to the start of work staff need to understand the work locations and the potential for exposure to low level crime. Staff members should never work alone in these areas. A buddy system is required. Conduct during daylight hours. Secure equipment and vehicles. If warranted, contact the local police department for a security detail. Leave the work area immediately and contact the local authorities if staff members feel threatened or are threatened.			

Task Hazard Summary

Task 1 – Drilling

Drilling is conducted for a range of services that can include but are not limited to: soil characterization, environmental investigation, well installation, and ore exploration. Familiarity with basic drilling safety is an essential component of all drilling projects. Potential hazards related to drilling operations include but are not limited to encountering underground or overhead utilities, traffic, and heavy equipment, hoisting heavy tools, steel impacts, open rotation entanglement, and the planned or unexpected encountering of toxic or hazardous substances. While staff members do not operate drilling equipment, they may work in close proximity to operating drilling equipment and may be exposed to many of the same hazards as the drilling subcontractor. It is imperative that staff are aware of emergency stops and establish communication protocols with the drillers prior to the start of work.

See OP 1002 Drilling Safety for more information.

Task 2 – Soil Sampling

Soil sampling by H&A staff on active construction sites can be conducted in conjunction with a wide range activity such as building construction, earthwork, and soil management related activities. These activities can include but are not limited to: drill spoil characterization and management during building foundation element installation, characterization of excavated soils for management/disposal/reuse during earthwork activities, and as part of environmental remedial activities such as delineation and confirmation sampling. Familiarity with basic heavy construction safety, site conditions (geotechnical and environmental), and potential soil contaminants are essential components of soil sampling performed on active sites. Potential hazards related to soil sampling at construction sites include but are not limited to: encountering site vehicle traffic and heavy equipment operations, manual lifting, generated waste, contact or exposure to impacted soil, and encountering unknown toxic or hazardous substances. Although soil sampling is commonly performed within active excavations, from stockpiles, or within trench excavations, sampling locations and situations will vary depending on site conditions. Care should be taken while entering and exiting excavations or trenches, and when accessing (climbing up or down) soil stockpiles, ensuring that the sampling area is not being actively accessed by construction equipment. Care should also be taken with handling of potentially environmentally impacted soil during sampling, with appropriate PPE identified and used. At no time during classification activities are personnel to reach for debris near machinery that is in operation, place any samples in their mouth, or come in contact with the soils without the use of gloves. Staff will have to carry and use a variety of sampling tools, equipment, containers, and potentially heavy sample bags. It is imperative that staff are aware of emergency / communication protocols with the Contractor prior to the start of work.

Task 2 – Soil Vapor

Soil gas sampling is employed as an indirect indicator of contamination in soil or groundwater particularly over and around landfill waste sites, or groundwater plumes. Soil gas sampling points can be installed manually using a slam bar or power-driven mechanical devices (e.g., demolition hammer or Geoprobe) may be used based on site conditions (i.e., pavement, frozen ground, very dense clays, etc.). Soil gas samples can be drawn through the probe itself, or through Teflon tubing inserted through the probe and attached to the probe point. Samples are collected and analyzed as described below. Other field air monitoring devices, such as the Combustible Gas Indicator (CGI) and the Organic Vapor Analyzer (OVA), can also be used, depending on specific site conditions.

Because the sample is being drawn from underground, and no contamination is introduced into the breathing zone, soil gas sampling usually occurs in Level D. Nevertheless, ambient air should be constantly monitored to obtain background and breathing zone readings during the sampling procedure in the event the seal around the sampling point is breached. As long as the levels in ambient air do not rise above background, no upgrade of the level of protection is needed. Also, an underground utility search must be performed prior to sampling.

Task 2 – Water Sampling

Environmental water sampling could include activities such as groundwater sampling from permanent or temporary wells, or surface water sampling from streams, rivers, lakes, ponds, lagoons, and surface impoundments.

Sampling tasks could involve uncapping, purging (pumping water out of the well), and sampling, and/or monitoring, new or existing monitoring wells. A mechanical pump may be used to purge the wells and can be hand-, gas-, or electric-operated. Water samples taken from the wells are then placed in containers and shipped to an analytical laboratory for analysis. The physical hazards of these operations are primarily associated with the collection methods and procedures used.

When sampling bodies of water containing known or suspected hazardous substances, adequate precautions must be taken to ensure the safety of sampling personnel. The sampling team member collecting the sample should not get too close to the edge, where ground failure or slips, trips or falls may cause him/her to lose his/her balance. The person performing the sampling should have fall restraint or protection for the task. When conducting sampling from a boat in an impoundment or flowing waters, appropriate vessel safety procedures should be followed. Avoid lifting heavy coolers with back muscles; instead, use ergonomic lifting techniques, team lift or mechanical lifts. Wear proper gloves, such as when handling sample containers to avoid contacting any materials that may have spilled out of the sample containers.

Inhalation and absorption of COCs are the primary routes of entry associated with water sampling, due to the manipulation of sample media and equipment, manual transfer of media into sample containers, and proximity of operations to the breathing zone. During this project, several different groundwater sampling methodologies may be used based on equipment accessibility and the types of materials to be sampled. These sampling methods may include hand or mechanical bailing. The primary hazards associated with these specific sampling procedures are not potentially serious; however, other

operations in the area or the conditions under which samples must be collected may present chemical and physical hazards. The hazards directly associated with groundwater sampling procedures are generally limited to strains or sprains from hand bailing, and potential eye hazards. Exposure to water containing COCs is also possible. All tools and equipment that will be used at the site must be intrinsically safe (electronics and electrical equipment) and non-sparking or explosion-proof (hand tools).

Task Physical Hazards Checklist			
Potential Task Hazards	Task 1 Drilling	Task 2 Soil, Soil Vapor, & Groundwater Sampling	Task 3 Geophysical Survey
Ergonomics	☒	☒	☐
Congested Area	☒	☒	☐
Generated Wastes	☒	☒	☐
Ground Disturbance	☒	☐	☐
Heavy Equipment	☒	☐	☒
Line of Fire	☒	☒	☐
Noise	☒	☐	☐
Manual Lifting	☒	☒	☐
Sharp Objects	☒	☒	☐
Slippery Surfaces	☒	☒	☐
Underground Utilities	☒	☐	☐

Summary of Physical Hazards & Controls

Ergonomics

Most Work-related Musculoskeletal Disorders (WMSDs) are caused by Ergonomic Stressors. Ergonomic Stressors are caused by poor workplace practices and/or insufficient design, which may present ergonomic risk factors. These stressors include, but not limited to, repetition, force, extreme postures, static postures, quick motions, contact pressure, vibration, and cold temperatures.

WMSDs are injuries to the musculoskeletal system, which involves bones, muscles, tendons, ligaments, and other tissues in the system. Symptoms may include numbness, tightness, tingling, swelling, pain, stiffness, fatigue, and/or redness. WMSD are usually caused by one or more Ergonomic Stressors. There may be individual differences in susceptibility and symptoms among employees performing similar tasks. Any symptoms are to be taken seriously and reported immediately.

See OP1053 Ergonomics for more information.

Controls

- Ensure workstations are ergonomically correct so bad posture is not required to complete tasks.
- Take periodic breaks over the course of the day.
- Stretch during break times.
- Break up tasks that require repetitive motion.
- Contact Corporate H&S with any ergonomic concerns

Congested Areas

Working in congested areas can expose both workers and the public to a wide range of hazards depending upon the specific activities taking place. Staff Members need to understand the work scope, work areas, equipment on-site, and internal traffic patterns to minimize or eliminate exposure potential.

Controls

- Provide barricades, fencing, warning signs/signals and adequate lighting to protect people while working in or around congested areas.
- Vehicles and heavy equipment with restricted views to the rear should have functioning back-up alarms that are audible above the surrounding noise levels. Whenever possible, use a signaler to assist heavy equipment operators and/or drivers in backing up or maneuvering in congested areas.
- Lay out traffic control patterns to eliminate excessive congestion.
- Workers in congested areas should always wear high visibility clothing.
- Be aware of Line of Fire hazards when performing work activities in congested areas.
- Hazards associated with SIMOPs should be discussed daily at Tailgate Safety Meetings.

Generated Waste

Activities on environmental sites may generate waste that requires regulated handling and disposal. Excess sample solids, decontamination materials, poly sheeting, used PPE, etc. that are determined to be free of contamination through field or laboratory screening can usually be disposed into client-approved, on-site trash receptacles. Uncontaminated wash water may be discarded onto the ground surface away from surface water bodies in areas where infiltration can occur. Contaminated materials must be segregated into liquids or solids and drummed separately for off-site disposal.

Controls

- Manage waste properly through good work practices.
- Collect, store, containerize waste, and dispose of it properly.
- All wastes generated shall be containerized in an appropriate container (i.e. open or closed top 55-gallon drum, roll-off container, poly tote, cardboard box, etc.) as directed by the PM.
- Containers should be inspected for damages or defects
- Waste containers should be appropriately labeled indicating the contents, date the container was filled, owner of the material (including address) and any unique identification number, if necessary.

- Upon completion of filling the waste container, the container should be inspected for leaks and an appropriate seal.

Ground Disturbance

Ground disturbance is defined as any activity disturbing the ground. Ground disturbance activities include, but are not limited to, excavating, trenching, drilling (either mechanically or by hand), digging, plowing, grading, tunneling, and pounding posts or stakes.

Because of the potential hazards associated with striking an underground utility or structure, the operating procedure for underground utility clearance shall be followed prior to performing any ground disturbance activities.

See OP1020 Working Near Utilities

Controls

Prior to performing ground disturbance activities, the following requirements should be applied:

- Confirm all approvals and agreements (as applicable) either verbal or written have been obtained.
- Request for line location has been registered with the applicable One-Call or Dial Before You Dig organization, when applicable.
 - Whenever possible, ground disturbance areas should be adequately marked or staked prior to the utility locators site visit.
- Notification to underground facility operator/owner(s) that may not be associated with any known public notification systems such as the One-Call Program regarding the intent to cause ground disturbance within the search zone.
- Notifications to landowners and/or tenant, where deemed reasonable and practicable.
- Proximity and Common Right of Way Agreements shall be checked if the line locator information is inconclusive.

Heavy Equipment

Staff must be careful and alert when working around heavy equipment, failure or breakage and limited visibility can lead to accidents and worker injury. Heavy equipment such as cranes, drills, haul trucks, or other can fail during operation increasing chances of worker injury. Equipment of this nature shall be visually inspected and checked for proper working order prior to commencement of field work. Those operating heavy equipment must meet all requirements to operate the equipment. Haley & Aldrich, Inc. staff that supervise projects or are associated with high-risk projects that involve digging or drilling should use due diligence when working with a construction firm.

See OP1052 Heavy Equipment for additional information.

Controls

- Only approach equipment once you have confirmed contact with the operator (e.g., operator places the bucket on the ground).
- Always maintain visual contact with operators and keep out of the strike zone whenever possible.
- Always be alert to the position of the equipment around you.
- Always approach heavy equipment with an awareness of the swing radius and traffic routes of all equipment and never go beneath a hoisted load.
- Avoid fumes created by heavy equipment exhaust.

Line of Fire

Line of fire refers to the path an object will travel. Examples of line of fire situations typically observed on project sites include lifting/hoisting, lines under tension, objects that can fall or roll, pressurized objects or lines, springs, or stored energy, work overhead, vehicles and heavy equipment.

Controls

- Never walk under a suspended load.
- Be aware and stay clear of tensioned lines such as cable, chain, and rope.
- Be cautious of torque stresses that drilling equipment and truck augers can generate. Equipment can rotate unexpectedly long after applied torque force has been stopped.
- Springs and other items can release tremendous energy if compressed and suddenly released.
- Items under tension and pressure can release tremendous energy if it is suddenly released.
- Not all objects may be overhead; be especially mindful of top-heavy items and items being transported by forklift or flatbed.
- Secure objects that can roll such as tools, cylinders, and pipes.
- Stay clear of soil cuttings or soil stockpiles generated during drilling operations and excavations, be aware that chunks of soil, rocks, and debris can fall or roll.

Noise

Working around heavy equipment (drill rigs, excavators, etc.) often creates excessive noise. The effects of noise include physical damage to the ear, pain, and temporary and/or permanent hearing loss. Workers can also be startled, annoyed, or distracted by noise during critical activities. Noise monitoring data that indicates that working within 25 feet of operating heavy equipment result in exposure to hazardous levels of noise (levels greater than 85 dBA).

See OP 1031 Hearing Conservation for additional information.

Controls

- Personnel are required to use hearing protection (earplugs or earmuffs) within 25 feet of any operating piece of heavy equipment.
- Limit the amount of time spent at a noise source.
- Move to a quiet area to gain relief from hazardous noise sources.
- Increase the distance from the noise source to reduce exposure.

Underground Utilities

Various forms of underground/overhead utility lines or conveyance pipes may be encountered during site activities. Prior to the start of intrusive operations, utility clearance is mandated, as well as obtaining authorization from all concerned public utility department offices. Should intrusive operations cause equipment to come into contact with utility lines, the SHSO, Project Manager, and Regional H&S Manager shall be notified immediately. Work will be suspended until the client and applicable utility agency is contacted and the appropriate actions for the situation can be addressed.

See OP1020 Work Near Utilities for complete information.

Controls

- Obtain as-built drawings for the areas being investigated from the property owner;
- Visually review each proposed soil boring locations with the property owner or knowledgeable site representative;
- Perform a geophysical survey to locate utilities;
- Hire a private line locating firm to determine location of utility lines that are present at the property;
- Identifying a no-drill or dig zone;
- Hand dig or use vacuum excavation in the proposed ground disturbance locations if insufficient data is unavailable to accurately determine the location of the utility lines.

Manual Lifting/Moving

Most materials associated with investigation, remedial, or construction-related activities are moved by hand. The human body is subject to damage in the forms of back injury, muscle strains, and hernia if caution is not observed in the handling process.

Controls

- Under no circumstances should any one person lift more than 49 pounds unassisted.
- Always push, not pull, the object when possible.
- Size up the load before lifting. If it is heavy or clumsy, get a mechanical aid or help from a worker.
- Bend the knees; it is the single most important aspect of lifting.
- When performing the lift:
 - Place your feet close to the object and center yourself over the load.
 - Get a good handhold.
 - Lift straight up, smoothly and let your legs do the work, not your back!
 - Avoid overreaching or stretching to pick up or set down a load.
 - Do not twist or turn your body once you have made the lift.
 - Make sure beforehand that you have a clear path to carry the load.
 - Set the load down properly.

Sharp Objects

Workers who handle sharp edged objects like sheets of steel or glass are at risk of cuts. Workers who handle sharp edged objects are also at risk of cuts. Injuries may occur to hands, fingers, or legs when they are in the way of the blade, when the blade slips, or if an open blade is handled unexpectedly. Other hazards at job sites include stepping on sharp objects (e.g. wooden boards with protruding nails, sharp work-tools, chisels, etc.) and colliding with sharp and/or protruding objects.

Controls

Always be alert when handling sharps. Never look away or become distracted while handling sharp objects. Use caution when working with tools; use right tool for the job. Keep tools sharp, dull blades are a safety hazard, requiring more force to make cuts which can lead to tool slippage. Wear appropriate PPE and do not handle sharp objects (i.e., broken glass) with bare hands. Use mechanical devices, when possible. Stay away from building debris; avoid handling site debris or placing your hand where you cannot see. Watch out for barbed wire and electrical fences; cover with a car mat or equivalent to cross

or walk around; use the buddy system to avoid entanglement; wear gloves. Do not leave unprotected sharps unattended. Use protective shields, cases, styrofoam blocks, etc. Pass a sharp by handing it over carefully by the handle with the blade down or retracted. Fixed open blades are prohibited. Always cut away from the body, making several passes when cutting thicker materials. Make sure blades are fitted properly into the knife. Never cut items with a blade or other sharp object on your lap. Never try to catch a blade or cutting tool that is falling.

Slippery Surfaces

Both slips and trips result from unintended or unexpected change in the contact between the feet and ground or walking surface. Good housekeeping, quality of walking surfaces, selection of proper footwear, and appropriate pace of walking are critical for preventing fall accidents. Slips happen where there is too little friction or traction between the footwear and walking surface.

Common causes of slips are wet or oily surfaces, spills, weather hazards, loose unanchored rugs or mats and flooring or other walking surfaces that do not have same degree of traction in all areas.

Weather-related slips and falls become a serious hazard as winter conditions often make for wet or icy surfaces outdoors. Even wet organic material or mud can create hazardous walking conditions. Spills and leaks can also lead to slips and falls.

Controls

- Evaluate the work area to identify any conditions that may pose a slip hazard.
- Address any spills, drips or leaks immediately.
- Mark areas where slippery conditions exist.
- Select proper footwear or enhance traction with additional PPE.
- Where conditions are uncertain or environmental conditions result in slippery surfaces walk slowly, take small steps, and slide feet on wet or slippery surfaces.

Choose a building block.

PROTECTIVE MEASURES				
The personal protective equipment and safety equipment (if listed) is specific to the associated task. The required PPE and equipment listed must be onsite during the task being performed. Work shall not commence unless the required PPE or Safety Equipment is present.				
Required Safety & Personal Protective Equipment				
Required Personal Protective Equipment (PPE)	Task 1	Task 2	Task 3	Task 4
	Drilling	Soil, Soil Vapor, & Groundwater Sampling	Geophysical Survey	Enter task description.
Hard hat	☒	☒	☒	☐
Safety Glasses	☒	☒	☒	☐
Safety Toed Shoes	☒	☒	☒	☐
Class 2 Safety Vest	☒	☒	☒	☐
Hearing Protection	☒	☒	☒	☐
Nitrile Gloves	☒	☒	☒	☐
Level of protection required	D	D	D	Select
Required Safety Equipment				
First Aid Kit	☒	☒	☒	☐

TRAINING REQUIREMENTS			
The table below lists the training requirements staff must have respective to their assigned tasks and that are required to access the Site.			
Site Specific Training Requirements			
HAZWOPER - 40 Hour (Initial)			
HAZWOPER - 8 Hour (Annual Refresher)			
Site Specific Orientation			
Task Specific Training Requirements			
Required Training Type	Task 1	Task 2	Task 3
	Drilling	Soil, Soil Vapor, & Groundwater Sampling	Geophysical Survey
HAZWOPER- 40 Hour (Initial), HAZWOPER- 8 Hour (Annual Refresher), & Site-Specific Orientation	X	X	X

AIR MONITORING PLAN AND EQUIPMENT

Exposures to airborne substances shall be fully characterized throughout project operations to ensure that exposure controls are effectively selected and modified as needed.

Is air/exposure monitoring required at this work site for personal protection? No

Is perimeter monitoring required for community protection? No

Air monitoring plan not applicable Yes

DECONTAMINATION & DISPOSAL METHODS

All possible and necessary steps shall be taken to reduce or minimize contact with chemicals and contaminated/impacted materials while performing field activities (e.g., avoid sitting or leaning on, walking through, dragging equipment through or over, tracking, or splashing potential or known contaminated/impacted materials.)

Personal Hygiene Safeguards

The following minimum personal hygiene safeguards shall be adhered to:

1. No smoking or tobacco products in any project work areas.
2. No eating or drinking in the exclusion zone.
3. It is required that personnel present on site wash hands before eating, smoking, taking medication, chewing gum/tobacco, using the restroom, or applying cosmetics and before leaving the site for the day.

It is recommended that personnel present on site shower or bathe at home at the end of each day of working on the site.

Decontamination Supplies

All decontamination should be conducted at the project site in designated zones or as dictated by Client requirements. Decontamination should not be performed on Haley & Aldrich owned or leased premises.

☐ Acetone	☐ Distilled Water	☐ Polyethylene Sheeting
☒ Alconox Soap	☐ Drums	☐ Pressure/Steam Cleaner
☒ Brushes	☐ Hexane	☒ Tap Water
☒ Disposal Bags	☐ Methanol	☐ Wash tubs
☒ 5 Gallon Buckets	☒ Paper Towels	☐ Other: Specify

Location of Decontamination Station

Decontamination will take place prior to leaving the site at the exit.

Standard Personal Decontamination Procedures

Outer gloves and boots should be decontaminated periodically as necessary and at the end of the day. Brush off solids with a hard brush and clean with soap and water or other appropriate cleaner whenever possible. Remove inner gloves carefully by turning them inside out during removal. Wash hands and forearms frequently. It is good practice to wear work-designated clothing while on-site which can be removed as soon as possible. Non-disposable overalls and outer work clothing should be bagged onsite prior to laundering. If gross contamination is encountered on-site contact the Project Manager and Field Safety Manager to discuss proper decontamination procedures.

The steps required for decontamination will depend upon the degree and type of contamination but will generally follow the sequence below.

1. Remove and wipe clean hard hat
2. Rinse boots and gloves of gross contamination
3. Scrub boots and gloves clean
4. Rinse boots and gloves
5. Remove outer boots (if applicable)
6. Remove outer gloves (if applicable)
7. Remove Tyvek coverall (if applicable)
8. Remove respirator, wipe clean and store (if applicable)
9. Remove inner gloves (if outer gloves were used)

PPE that is not grossly contaminated can be bagged and disposed in regular trash receptacles.

Small Equipment Decontamination

Pretreatment of heavily contaminated equipment may be conducted as necessary:

1. Remove gross contamination using a brush or wiping with a paper towel
2. Soak in a solution of Alconox and water (if possible)
3. Wipe off excess contamination with a paper towel

Standard decontamination procedure:

4. Wash using a solution of Alconox and water
5. Rinse with potable water
6. Rinse with methanol (or equivalent)
7. Rinse with distilled/deionized water

Inspect the equipment for any remaining contamination and repeat as necessary.

Disposal Methods
Procedures for disposal of contaminated materials, decontamination waste, and single use personal protective equipment shall meet applicable client, local, State, and Federal requirements.
Disposal of Single Use Personal Protective Equipment
PPE that is not grossly contaminated can be bagged and disposed in regular trash receptacles. PPE that is grossly contaminated must be bagged (sealed) and field personnel should communicate with the Project Manager to determine proper disposal.
Disposal Method for Contaminated Soil
- Contaminated soil cuttings and spoils must be containerized for disposal off-site unless otherwise specifically directed. - Soil cuttings and spoils determined to be free of contamination through field screening can usually be returned to the boreholes or excavations from which they came.

SITE CONTROL

The overall purpose of site control is to minimize potential contamination of workers, protect the public from the site's hazards, and prevent vandalism. Site control is especially important in emergency situations. The degree of site control necessary depends on site characteristics, site size, and the surrounding community. The following information identifies the elements used to control the activities and movements of people and equipment at the project site.

Communication

Internal

Haley & Aldrich site personnel will communicate with other Haley & Aldrich staff member and/or subcontractors or contractors with:

Face to Face Communication

External

H&S site personnel will use the following means to communicate with off-site personnel or emergency services.

Cellular Phones

Visitors

Project Site

Will visitors be required to check-in prior to accessing the project site?

Yes

Visitor Access

Authorized visitors that require access to the project site need to be provided with known information with respect to the site operations and hazards as applicable to the purpose of their site visit. Authorized visitors must have the required PPE and appropriate training to access the project site.

Sarah Commisso is responsible for facilitating authorized visitor access.

Zoning

Work Zone

The work zone will be clearly delineated to ensure that the general public or unauthorized worker access is prevented. The following will be used:

Cones

SITE SPECIFIC EMERGENCY RESPONSE PLAN

The Emergency Response Plan addresses potential emergencies at this site, procedures for responding to these emergencies, roles, responsibilities during emergency response, and training. This section also describes the provisions this project has made to coordinate its emergency response with other contractors onsite and with offsite emergency response organizations (as applicable).

During the development of this emergency response plan, local, state, and federal agency disaster, fire, and emergency response organizations were consulted (if required) to ensure that this plan is compatible and integrated with plans of those organizations. Documentation of the dates of these consultations and the names of individuals contacted is kept on file and available upon request.

The site has been evaluated for potential emergency occurrences, based on site hazards, and the major categories of emergencies that could occur during project work are:

- Fire(s)/Combustion
- Hazardous Material Event
- Medical Emergency
- Natural Disaster

A detailed list of emergency types and response actions are summarized in Table X below. Prior to the start of work, the SSO will update the table with any additional site-specific information regarding evacuations, muster points, or additional emergency procedures. The SSO will establish evacuation routes and assembly areas for the Site. All personnel entering the Site will be informed of these routes and assembly areas.

Pre-Emergency Planning

Before the start of field activities, the Project Manager will ensure preparation has been made in anticipation of emergencies. Preparatory actions include the following:

Meeting with the subcontractor/and or client concerning the emergency procedures in the event a person is injured. Appropriate actions for specific scenarios will be reviewed. These scenarios will be discussed, and responses determined before the sampling event commences. A form of emergency communication (i.e.; Cell phone, Air horn, etc.) between the Project Manager and subcontractor and/or client will be agreed on before the work commences.

A training session (i.e., "safety meeting") given by the Project Manager or their designee informing all field personnel of emergency procedures, locations of emergency equipment and their use, and proper evacuation procedures.

Ensuring field personnel are aware of the existence of the emergency response HASP and ensuring a copy of the HASP accompanies the field team(s).

Onsite Emergency Response Equipment

Emergency procedures may require specialized equipment to facilitate work rescue, contamination control and reduction or post-emergency cleanup. Emergency response equipment stocked

Table 9.1 Emergency Equipment and Emergency PPE			
Emergency Equipment	Specific Type	Quantity Stocked	Location Stored
First Aid Kit	General First Aid Kit	1	With H&A personnel

EVACUATION ALARM
Verbal Communication (Site Personnel are adjacent in work zone)
EVACUATION ROUTES
Will be given a map after site specific training
EVACUATION MUSTER POINT(S)/ SHELTER AREA(S)
Will be given a location after site specific training
EVACUTION RESPONSE DRILLS
The Site relies on outside emergency responders and a drill is not required.

Table 9-2 – Emergency Planning

Emergency Type	Notification	Response Action	Evacuation Plan/Route
Chemical Exposure	Report event to SSO immediately	Refer to Safety Data Sheet for required actions	Remove personnel from work zone
Fire - Small	Notify SSO and contact 911	Use fire extinguisher if safe and qualified to do so	Mobilize to <i>Muster Point</i>
Fire – Large/Explosion	Notify SSO and contact 911	Evacuate immediately	Mobilize to <i>Muster Point</i>
Hazardous Material – Spill/Release	Notify SSO; SSO will contact PM to determine if additional agency notification is	If practicable don PPE and use spill kit and applicable procedures to contain the release	See Evacuation Map for route, move at least 100 ft upwind of spill location
Medical – Bloodborne Pathogen	Notify SSO	If qualified dispose in container or call client or city to notify for further instruction.	None Anticipated
Medical – First Aid	Notify SSO	If qualified perform first aid duties	None Anticipated
Medical – Trauma	If life threatening or transport is required call 911, immediately	Wait at site entrance for ambulance	Noe Anticipated
Security Threat	Notify SSO who will call 911 as warranted	Keep all valuables out of site and work zones delineated.	None Anticipated
Weather – Earthquake/Tsunami’s	STOP WORK and evacuate Site upon any earthquake	Turn off equipment and evacuate as soon as is safe to do so	Mobilize to <i>Shelter Location</i>
Weather – Lightning Storm	STOP WORK	Work may resume 30 minutes after the last observed lightning.	None Anticipated
Weather – Tornadoes/Hurricanes	Monitor weather conditions STOP WORK and evacuate the site	Evacuate to shelter location or shelter in place immediately	Mobilize to <i>Shelter Location</i>
<u>MUSTER POINT</u> Sidewalk along Shepherd Avenue		<u>SHELTER LOCATION</u> Personal vehicle	
In case of site emergencies, site personnel shall be evacuated per this table and will not participate in emergency response activities. Site emergencies shall be reported to local, state, and federal governmental agencies as required.			

HASP ACKNOWLEDGEMENT FORM

All Haley & Aldrich employees onsite must sign this form prior to entering the site.

I hereby acknowledge receipt of, and briefing on, this HASP prior to the start of on-site work. I declare that I understand and agree to follow the provisions, processes, and procedures set forth herein at all times while working on this site.

[illegible]

**ATTACHMENT A
HASP AMENDMENT FORM**

HASP AMENDMENT FORM

This form is to be used whenever there is an immediate change in the project scope that will require an amendment to the HASP. For project scope changes associated with “add-on” tasks, the changes must be made in the body of the HASP. Before changes can be made, a review of the potential hazards must be initiated by the Haley & Aldrich Project Manager.

This original form must remain on site with the original HASP. If additional copies of this HASP have been distributed, it is the Project Manager’s responsibility to forward a signed copy of this amendment to those who have copies.

Amendment No.	
Site Name	
Work Assignment No.	
Date	
Type of Amendment	
Reason for Amendment	
Alternate Safeguard Procedures	
Required Changes in PPE	

Project Manager Name (Print)

Project Manager Signature

Date

Health & Safety Approver Name
(Print)

Health & Safety Approver Signature

Date

**ATTACHMENT B
TRAINING REQUIREMENTS**

TRAINING REQUIREMENTS
Health and Safety Training Requirements
Personnel will not be permitted to supervise or participate in field activities until they have been trained to a level required by their job function and responsibility. Haley & Aldrich staff members, contractors, subcontractors, and consultants who have the potential to be exposed to contaminated materials or physical hazards must complete the training described in the following sections. The Haley & Aldrich Project Manager/FSM will be responsible for maintaining and providing to the client/site manager documentation of Haley & Aldrich staff members' compliance with required training as requested. Records shall be maintained per OSHA requirements.
40-Hour Health and Safety Training
The 40-Hour Health and Safety Training course provides instruction on the nature of hazardous waste work, protective measures, proper use of personal protective equipment, recognition of signs and symptoms which might indicate exposure to hazardous substances, and decontamination procedures. It is required for all personnel working on-site, such as equipment operators, general laborers, and supervisors, who may be potentially exposed to hazardous substances, health hazards, or safety hazards consistent with 29 CFR 1910.120.
8-hour Annual Refresher Training
Personnel who complete the 40-hour health and safety training are subsequently required to attend an annual 8-hour refresher course to remain current in their training. When required, site personnel must be able to show proof of completion (i.e., certification) at an 8-hour refresher training course within the past 12 months.
8-Hour Supervisor Training
On-site managers and supervisors directly responsible for, or who supervise staff members engaged in hazardous waste operations, should have eight additional hours of Supervisor training in accordance with 29 CFR 1910.120. Supervisor Training includes, but is not limited to, accident reporting/investigation, regulatory compliance, work practice observations, auditing, and emergency response procedures.
Additional Training for Specific Projects
Haley & Aldrich personnel will ensure their personnel have received additional training on specific instrumentation, equipment, confined space entry, construction hazards, etc., as necessary to perform their duties. This specialized training will be provided to personnel before engaging in the specific work activities including: • Client specific training or orientation • Competent person excavations • Confined space entry (entrant, supervisor, and attendant) • Heavy equipment including aerial lifts and forklifts • First aid/ CPR • Use of fall protection • Use of nuclear density gauges • Asbestos awareness

**ATTACHMENT C
ROLES AND RESPONSIBILITIES**

SITE ROLES AND RESPONSIBILITIES	
Haley & Aldrich Personnel	
Field Safety Manager (FSM)	The Haley & Aldrich FSM is a full-time Haley & Aldrich staff member, trained as a safety and health professional, who is responsible for the interpretation and approval of this Safety Plan. Modifications to this Safety Plan cannot be undertaken by the PM or the SSO without the approval of the FSM. Specific duties of the FSM include: • Approving and amending the Safety Plan for this project • Advising the PM and SHSOs on matter relating to health and safety • Recommending appropriate personal protective equipment (PPE) and air monitoring instrumentation • Maintaining regular contact with the PM and SSO to evaluate the conditions at the property and new information which might require modifications to the HASP and • Reviewing and approving JSAs developed for the site-specific hazards.
Project Manager (PM)	The Haley & Aldrich PM is responsible for ensuring that the requirements of this HASP are implemented at that project location. Some of the PM's specific responsibilities include: • Assuring that all personnel to whom this HASP applies have received a copy of it; • Providing the FSM with updated information regarding environmental conditions at the site and the scope of site work; • Providing adequate authority and resources to the on-site SHSO to allow for the successful implementation of all necessary safety procedures; • Supporting the decisions made by the SHSO; • Maintaining regular communications with the SHSO and, if necessary, the FSM; • Coordinating the activities of all subcontractors and ensuring that they are aware of the pertinent health and safety requirements for this project; • Providing project scheduling and planning activities; and • Providing guidance to field personnel in the development of appropriate Job Safety Analysis (JSA) relative to the site conditions and hazard assessment.
Site Health & Safety Officer (SHSO)	The SHSO is responsible for field implementation of this HASP and enforcement of safety rules and regulations. SHSO functions may include some or all of the following: • Act as Haley & Aldrich's liaison for health and safety issues with client, staff, subcontractors, and agencies. • Verify that utility clearance has been performed by Haley & Aldrich subcontractors. • Oversee day-to-day implementation of the Safety Plan by Haley & Aldrich personnel on site. • Interact with subcontractor project personnel on health and safety matters.

- Verify use of required PPE as outlined in the safety plan.
- Inspect and maintain Haley & Aldrich safety equipment, including calibration of air monitoring instrumentation used by Haley & Aldrich.
- Perform changes to HASP and document in Appendix A of the HASP as needed and notify appropriate persons of changes.
- Investigate and report on-site accidents and incidents involving Haley & Aldrich and its subcontractors.
- Verify that site personnel are familiar with site safety requirements (e.g., the hospital route and emergency contact numbers).
- Report accidents, injuries, and near misses to the Haley & Aldrich PM and FSM as needed.

The SHSO will conduct initial site safety orientations with site personnel (including subcontractors) and conduct toolbox and safety meetings thereafter with Haley & Aldrich employees and Haley & Aldrich subcontractors at regular intervals and in accordance with Haley & Aldrich policy and contractual obligations. The SHSO will track the attendance of site personnel at Haley & Aldrich orientations, toolbox talks, and safety meetings.

Field Personnel

Haley & Aldrich personnel are responsible for following the health and safety procedures specified in this HASP and for performing their work in a safe and responsible manner. Some of the specific responsibilities of the field personnel are as follows:

- Reading the HASP in its entirety prior to the start of on-site work;
- Submitting a completed Safety Plan Acceptance Form and documentation of medical surveillance and training to the SHSO prior to the start of work;
- Attending the pre-entry briefing prior to beginning on-site work;
- Bringing forth any questions or concerns regarding the content of the Safety Plan to the PM or the SHSO prior to the start of work;
- Stopping work when it is not believed it can be performed safely;
- Reporting all accidents, injuries and illnesses, regardless of their severity, to the SHSO;
- Complying with the requirements of this safety plan and the requests of the SHSO; and
- Reviewing the established JSAs for the site-specific hazards on a daily basis and prior to each shift change, if applicable.

Visitors

Authorized visitors (e.g., Client Representatives, Regulators, Haley & Aldrich management staff, etc.) requiring entry to any work location on the site will be briefed by the Site Supervisor on the hazards present at that location. Visitors will be escorted at all times at the work location and will be responsible for compliance with their employer's health and safety policies. In addition, this safety plan specifies the minimum acceptable qualifications, training and personal protective equipment which are required for entry to any controlled work area; visitors must comply with these

requirements at all times. Unauthorized visitors, and visitors not meeting the specified qualifications, will not be permitted within established controlled work areas.

SUBCONTRACTOR PERSONNEL

Subcontractor Site Representative

Each contractor and subcontractor shall designate a Contractor Site Representative. The Contractor Site Representative will interface directly with Insert Staff Name Here, the Subcontractor Site Safety Manager, with regards to all areas that relate to this safety plan and safety performance of work conducted by the contractor and/or subcontractor workforce. Contractor Site Representatives for this site are listed in the Contact Summary Table at the beginning of the Safety Plan.

Subcontractor Site Safety Manager

Each contractor / subcontractor will provide a qualified representative who will act as their Site Safety Manager (Sub-SSM). This person will be responsible for the planning, coordination, and safe execution of subcontractor tasks, including preparation of job hazard analyses (JHA), performing daily safety planning, and coordinating directly with the Haley & Aldrich SHSO for other site safety activities. This person will play a lead role in safety planning for Subcontractor tasks, and in ensuring that all their employees and lower tier subcontractors are in adherence with applicable local, state, and/or federal regulations, and/or industry and project specific safety standards or best management practices.

General contractors / subcontractors are responsible for preparing a site-specific HASP and/or other task specific safety documents (e.g., JHAs), which are, at a minimum, in compliance with local, state, and/or federal other regulations, and/or industry and project specific safety standards or best management practices. The contractor(s)/subcontractor(s) safety documentation will be at least as stringent as the health and safety requirements of the Haley & Aldrich Project specific HASP.

Safety requirements include, but are not limited to: legal requirements, contractual obligations and industry best practices. Contractors/subcontractors will identify a site safety representative during times when contractor/subcontractor personnel are on the Site. All contractor/subcontractor personnel will undergo a field safety orientation conducted by the Haley & Aldrich SHSO and/or PM prior to commencing site work activities. All contractors / subcontractors will participate in Haley & Aldrich site safety meetings and their personnel will be subject to training and monitoring requirements identified in this Safety Plan. If the contractors / subcontractors means and methods deviate from the scope of work described in Section 1 of this Safety Plan, the alternate means and methods must be submitted, reviewed, and approved by the Haley & Aldrich SHSO and/or PM prior to the commencement of the work task. Once approved by the Haley & Aldrich SHSO and/or PM, the alternate means and methods submittal will be attached to this Safety Plan as an Addendum.

**ATTACHMENT D
JOB SAFETY ANALYSES**



Safety
in everything we do

352-362 SHEPHERD AVENUE

KEY TASK 1,2: Drilling, Sampling

Subtask Category	Potential Hazards	Controls
Drilling	Slips, Trips, and Falls	Keep work area clear
Drilling	Utility locators and underground hazards	Utility markout
Drilling	Noise reduction	Wear appropriate noise reducing PPE
Drilling	Heavy equipment	Avoid line of fire, wear PPE
Sampling	Slips, trips, and falls	Keep work area clear
Sampling	General site hazards	Wear PPE
Enter subtask information.	Choose category.	Enter control(s) for each hazard.
Enter subtask information.	Choose category.	Enter control(s) for each hazard.
Enter subtask information.	Choose category.	Enter control(s) for each hazard.
Enter subtask information.	Choose category.	Enter control(s) for each hazard.
Enter subtask information.	Choose category.	Enter control(s) for each hazard.
Enter subtask information.	Choose category.	Enter control(s) for each hazard.
Enter subtask information.	Choose category.	Enter control(s) for each hazard.
Enter subtask information.	Choose category.	Enter control(s) for each hazard.
Enter subtask information.	Choose category.	Enter control(s) for each hazard.

ATTACHMENT E
COVID DOCUMENTS



COVID-19 Policy Working Safely on Project Sites

HEALTH & SAFETY FACTSHEET

Incorporate the following information to protect field staff, business partners, clients, and the general public at project sites:

All Staff:

- Must follow state/county/local mandates or client requirements, when they are stricter. Where requirements are stricter, they will be included in the Office or Project HASP.
- Must stay home if they are sick.
- Should be “face covering ready” (have a mask readily available). If anyone asks that staff wear a mask in an interaction, Haley & Aldrich staff must don a mask.
- Are encouraged to maintain physical distancing when feasible to ensure highest levels of safety and virtual meetings are encouraged as a best practice to reduce the risk of in-person contact and reduce our environmental footprint.
- Staff may eat together outdoors.
- Are required to review, understand, and communicate the site’s controlling employer’s COVID-19 mitigation plan prior to mobilization. It is your duty to obtain a copy of the site COVID plan.

Fully Vaccinated staff:

- Are those who are at least two weeks past the final shot in the series and their vaccination record is on file with Human Potential.
- Are no longer required to wear masks. Staff are encouraged to wear a mask if conditions warrant as a best practice.
- May continue to work after a known close contact if they are asymptomatic.
- Are no longer required to self-certify via Gensuite each morning.
- May dine together indoors without restriction.

Fully vaccinated staff who experience COVID-19 symptoms must:

- Isolate from others and be clinically evaluated before returning to work. Staff must isolate, go home if symptoms manifest at work.
- Vaccinated staff must email COVIDHelp@haleyaldrich.com if you experience COVID-19 symptoms.
- Please use the CDC’s COVID Symptom Checker or contact your physician if you have questions about your symptoms:
<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>



The risk associated with potential exposure to COVID-19 will be considered as part of the project planning and HASP development cycle.



Have Health & Safety review the HASP.



Business partners for sites managed by Haley & Aldrich (H&A Controlling Employer) will have completed the Self-Declaration Form.



Approved and appropriate Personal Protective Equipment and supplies are used as indicated by the HASP.



COVID-19 Policy Working Safely on Project Sites

HEALTH & SAFETY FACTSHEET

COVID-19 PROJECT SPECIFIC INFORMATION

Unvaccinated Staff:

- Are still required to wear a mask at all times in Haley & Aldrich offices or on remote work assignments, unless specifically exempted by Health & Safety or when alone at their workstation.
- Are still required to self-certify through Gensuite each morning prior to entering the work environment (office, field, client site, travel or any other place you are to perform work duties).
 - They must enter a self-certification each time they enter the office, and a separate self-certification for project site work. Staff may list multiple sites in the text field of the form.
- Are still required to stay home and quarantine when sick, experiencing COVID-19 like symptoms, or were in close contact with someone with COVID-19.
- Are still required to isolate from others if they become sick or develop COVID-19 symptoms in the work environment. Immediately report any illness, or close contact to COVIDHelp@haleyaldrich.com. Please refer to the "What to do if you have been exposed" policy for further information.
- Are still required to avoid dining with others in an indoor setting. This includes Haley & Aldrich meetings and client luncheons.

Fit for Duty –

- All subcontractors (if subcontracted to Haley & Aldrich), and visitors (if H&A is Controlling Employer) will complete the Subcontractor Self-Declaration form to affirm staff report fit for duty and symptom free each day.
- All employees working on a site controlled by another employer will follow site expectations for self-certification.
- Sub-contractors who do not show proof of vaccination will be expected to follow the unvaccinated staff requirements.

Things you can do to limit potential exposure (best practices for vaccinated staff/required for unvaccinated staff) –

- Consider job trailers or offices as part of this risk assessment and follow all site requirements.
- Maintain a minimum distance of 6' when feasible. If you can maintain greater distances, please do so.
- Avoid eating in groups
- Continue regular handwashing or hand sanitizing. Sanitize surfaces as needed.
- Avoid touching the face area (eyes, nose, mouth).

Does the client or Controlling Employer (if H&A is not controlling employer) have specific requirements related to COVID-19?

If yes, please attach the requirements.

Yes No

Do we have the necessary supplies on hand (If needed)?

Yes No

(Supplies include masks, disinfectant, hand washing stations or sanitizer, and PPE.)

The following **must** be onsite(☒ to acknowledge):

- ☐ Has the Tailgate Meeting Form been provided?
- ☐ Has the What To Do if You Have Been Exposed policy been provided?
- ☐ Has the mask policy been provided?
- ☐ Has the Field Office/Trailer been reviewed to ensure it is safe?
- ☐ Subcontractor Self-Declaration form

All information and content in this document is for information purposes only and is not medical advice, diagnosis, or treatment. Printed copies are not document controlled.

Revised Date: 6/8/2021

Page 2 of 2

**HALEY
ALDRICH**

APPENDIX B

Geophysical Survey Summary



Job Summary

Job Date : 8/25/2021

Customer	HALEY AND ALDRICH			Phone Number	(516) 317-9861		
Billing Address	City	State	Zip				
70 BLANCHARD RD	BURLINGTON	MA	01803				
Job Details							
Jobsite Location 352-362 SHEPARD AVENUE							
City BROOKLYN							
State NY							
WA Number 290227							
Job Num							
PO Num P00041155							
Lead Technician	LAMANNO, TYLER		Phone	732-672-9340	Email	tyler.lamanno@gprsinc.com	
Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.							
EQUIPMENT USED							
The following equipment was used on this project:							
- Underground Scanning GPR antenna. Typically capable of detecting objects up to 8' deep or more in ideal conditions but maximum effective depth can vary widely and depends on site and soil conditions. Depth penetration is most commonly limited by moisture and clay/conductive soils. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. - Electromagnetic Pipe and Cable Locator. Detects electromagnetic fields. Used to actively trace conductive pipes and tracer wires, or passively detect power and radio signals traveling along conductive pipes and utilities. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.							
Work Performed							
Ground Penetrating Radar Systems performed the following work on this project:							
<u>Underground Tanks</u>							
The scope of work included scanning the designated area to attempt to locate evidence of underground storage tanks and/or UST removal excavations. The locations of any UST's, associated piping, or excavations detected were marked with paint, flags, or other appropriate means, and results were reviewed with onsite personnel unless otherwise noted. The ability to locate these objects depends on the maximum depth penetration and soil conditions and non-metallic tanks can be especially difficult to locate.							
- We understand the scope of work to be to search for possible remaining underground storage tanks (UST's) throughout the property, excluding building interiors - The effective depth of GPR will vary throughout a site depending on surface and soil conditions. In this area, the maximum effective GPR depth was approximately 3 feet.							



Job Summary

Job Date : 8/25/2021

- GPR scans all soil boring locations and well locations in search of underground storage tanks.

GPR was able to see a depth of roughly 3 feet down. No tanks for spotted on GPR.

There was an area inside the back of the building that had different terrain underneath the slab. I advised to avoid that area to the site contact.

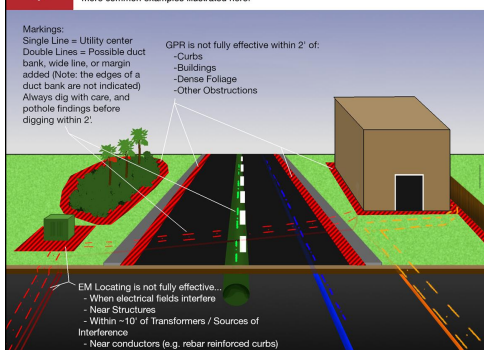
Another company marked out gas running into the building. Gas line is not in scope of soil borings.

Pictures



Common Utility Locating Limitations

There are many limitations to locating utilities, due to a variety of factors, with several more common examples illustrated here.



Utility Limitations

TERMS & CONDITIONS

<http://www.gprsinc.com/termsandconditions.html>

SIGNATURE

Contact Name

Sarah Commisso (516) 317-9861 mconlon@haleyaldrich.com

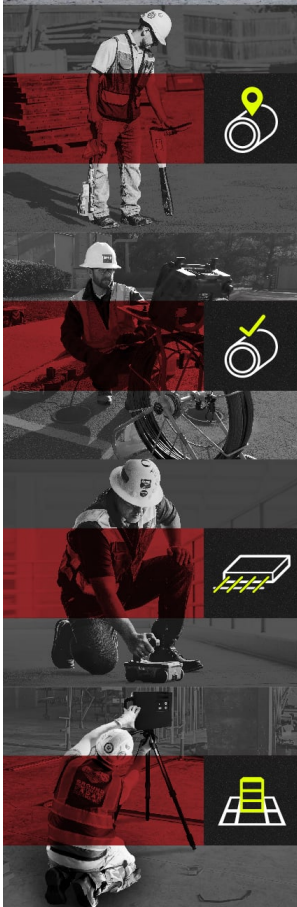


Job Summary

Job Date : 8/25/2021



1.866.914.4718 • GPRSINC.COM



UTILITY LOCATING

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

VIDEO PIPE INSPECTION

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

CONCRETE IMAGING

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

MAPPING & MODELING

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

APPENDIX C

Soil Boring Geologic Logs

HALEYALDRICH						TEST BORING REPORT							BORING NO. SB-1/TW-1						
						Page 1 of 1													
PROJECT		352-362 Shepherd Avenue Phase II Site Investigation								H&A FILE NO.		0201831-000							
LOCATION		352-362 Shepherd Avenue, Brooklyn, New York								PROJECT MGR.		M. Conlon							
CLIENT		Rock Brokerage								FIELD REP.		S. Commisso							
CONTRACTOR		Coastal Environmental Solutions								DATE STARTED		8/25/2021							
DRILLER		B. Sullivan								DATE FINISHED		8/25/2021							
Elevation		ft.		Datum		NAVD-88		Boring Location		Northern portion of lot									
Item		Casing		Sampler		Core Barrel		Rig Make & Model		Geoprobe 6610DT		Hammer Type		Drilling Mud		Casing Advance			
Type		-						☐ Truck		☐ Tripod		☐ Cat-Head		☐ Safety		☐ Bentonite			
Inside Diameter (in.)		-						☐ ATV		☒ Geoprobe		☐ Winch		☐ Doughnut		☐ Polymer			
Hammer Weight (lb.)		-						☒ Track		☐ Air Track		☐ Roller Bit		☒ Automatic		☒ None			
Hammer Fall (in.)		-						☐ Skid		☐ Hand auger		☐ Cutting Head		Drilling Notes:					
Depth (ft.)		Recovery (in.)		Client ID		Sample Depth (ft)		Sample ID		Visual-Manual Identification & Description				PID (ppm)					
0		40"				0-2'		SB-1 (0-2')		3" Concrete				0.0					
										3"-5' Dark brown silty SAND, some brick and asphalt material, fill to 5'				0.0					
										no odor, dry				0.0					
5		38"								5-12' Brown to orange brown well-graded SAND, soft, dry, no odor				0.0					
														0.0					
														0.0					
10						10-12'		SB-1 (10-12')						0.0					
														0.0					
														0.0					
15														0.0					
														0.0					
20										Note: Groundwater at 22.10 ft bgs									
25																			
30										Temporary well TW-1 installed to 30 ft bgs									
Water Level Data						Sample ID						Summary							
Date		Time		Elapsed Time (hr.)		Depth in feet to:				O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe									
8/27/2021						30 ft				22.10 ft				Overburden (Linear ft.) 30					
														Rock Cored (Linear ft.) 0					
														Number of Samples 2					
												BORING NO. SB-1/TW-1							
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.																			

HALEY ALDRICH								TEST BORING REPORT						BORING NO. SB-2/TW-2 Page 1 of 1	
PROJECT		352-362 Shepherd Avenue Phase II Site Investigation							H&A FILE NO.		0201831-000				
LOCATION		352-362 Shepherd Avenue, Brooklyn, New York							PROJECT MGR.		M. Conlon				
CLIENT		Rock Brokerage							FIELD REP.		S. Commisso				
CONTRACTOR		Coastal Environmental Solutions							DATE STARTED		8/25/2021				
DRILLER		B. Sullivan							DATE FINISHED		8/25/2021				
Elevation	ft.	Datum	NAVD-88		Boring Location		Rear of lot								
Item	Casing	Sampler	Core Barrel	Rig Make & Model	Geoprobe 6610DT			Hammer Type		Drilling Mud		Casing Advance			
Type	-			☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	☒ Direct Push						
Inside Diameter (in.)	-			☐ ATV	☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer							
Hammer Weight (lb.)	-			☒ Track	☐ Air Track	☐ Roller Bit	☒ Automatic	☒ None							
Hammer Fall (in.)	-			☐ Skid	☐ Hand auger	☐ Cutting Head	Drilling Notes:								
Depth (ft.)	Recovery (in.)	Client ID	Sample Depth (ft)	Sample ID	Visual-Manual Identification & Description						PID (ppm)				
0	36"		0-2'	SB-2 (0-2')	0-3'' Concrete						0.0				
					3"-5' Brown to dark brown silty SAND, some fill material to 5' including concrete and asphalt pieces, slightly moist, no odor						0.0				
											0.0				
											0.0				
5	60"				5-12' Brown to orange brown well graded SAND, slightly moist, no odor, loose						0.0				
											0.0				
											0.0				
											0.0				
10			10-12'	SB-2 (10-12')							0.0				
											0.0				
											0.0				
											0.0				
15															
20					Note: Groundwater at 22.03 ft bgs										
25															
30					Temporary well TW-2 installed to 30 ft bgs										
Water Level Data					Sample ID			Summary							
Date	Time	Elapsed Time (hr.)	Depth in feet to:		O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe			Overburden (Linear ft.) _____ 30							
			Bottom of Boring	Water				Rock Cored (Linear ft.) _____ 0							
8/25/2021			30 ft	22.03 ft				Number of Samples _____ 2							
								BORING NO. SB-2/TW-2							
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.															

HALEY ALDRICH								TEST BORING REPORT						BORING NO. SB-4/TW-4	
							Page		1		of		1		
PROJECT <u>352-362 Shepherd Avenue Phase II Site Investigation</u>									H&A FILE NO. <u>0201831-000</u>						
LOCATION <u>352-362 Shepherd Avenue, Brooklyn, New York</u>									PROJECT MGR. <u>M. Conlon</u>						
CLIENT <u>Rock Brokerage</u>									FIELD REP. <u>S. Commisso</u>						
CONTRACTOR <u>Coastal Environmental Solutions</u>									DATE STARTED <u>8/27/2021</u>						
DRILLER <u>B. Sullivan</u>									DATE FINISHED <u>8/27/2021</u>						
Elevation	ft.		Datum	NAVD-88		Boring Location		Rear of lot							
Item	Casing	Sampler	Core Barrel	Rig Make & Model	Geoprobe 6610DT			Hammer Type		Drilling Mud		Casing Advance			
Type	-			☐ Truck	☐ Tripod	☐	Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth					
Inside Diameter (in.)	-			☐ ATV	☒ Geoprobe	☐	Winch	☐ Doughnut	☐ Polymer						
Hammer Weight (lb.)	-			☒ Track	☐ Air Track	☐	Roller Bit	☒ Automatic	☒ None						
Hammer Fall (in.)	-			☐ Skid	☐ Hand auger	☐	Cutting Head	Drilling Notes:							
Depth (ft.)	Recovery (in.)	Client ID	Sample Depth (ft)	Sample ID	Visual-Manual Identification & Description					PID (ppm)					
0	40"		0-2'	SB-4 (0-2')	0-3'' Concrete					0.0					
					3"-5' Brown silty SAND, no odor, dry with fill material including pieces of brick and asphalt to 5 ft bgs					0.0					
										0.0					
										0.0					
5	55"				5-12' Brown to orange brown well graded SAND, no odor, loose, dry					0.0					
										0.0					
										0.0					
										0.0					
10			10-12'	SB-4 (10-12')						0.0					
										0.0					
15															
20					Note: Groundwater at 22.63 ft bgs										
25															
30					TW-4 installed to 30 ft bgs										
Water Level Data					Sample ID					Summary					
Date	Time	Elapsed Time (hr.)	Depth in feet to:		O	Open End Rod				Overburden (Linear ft.)	_____ 30				
			Bottom of Boring	Water	T	Thin Wall Tube				Rock Cored (Linear ft.)	_____ 0				
8/27/2021			30 ft	22.63 ft	U	Undisturbed Sample				Number of Samples	_____ 2				
					S	Split Spoon Sample									
					G	Geoprobe				BORING NO. SB-4/TW-4					
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.															

APPENDIX D

Groundwater Purge Logs

352-362 Shepherd Avenue, Brooklyn, NY
Purge Logs

Well ID: TW-1

Date: 8/27/2021

Well Depth (ft): 30

Pump: Whale Pump

Static Water Level (ft): 22.1

Personnel: S. Commisso

Water Column Height (ft): 7.9

Well Volume (gal): 0.32

Well Diameter (inch): 2

Flow rate: 0.5 gallons/min

Time	Time Elapsed (min)	Flow Rate	Gal Removed	Color	Comments
8:30:00 AM	0	0.4 gallons/min	2 gallons	Brown	Silty
8:35:00 AM	5	0.5 gallons/min	2.5 gallons	Light brown	Turbid
8:40:00 AM	10	0.5 gallons/min	2.5 gallons	Light brown	Slightly Cloudy
8:45:00 AM	15	0.5 gallons/min	2.5 gallons	Clear	Slightly Cloudy
8:50:00 AM	20	0.5 gallons/min	2.5 gallons	Clear	Clear

352-362 Shepherd Avenue, Brooklyn, NY
Purge Logs

Well ID: TW-2

Date: 8/25/2021

Well Depth (ft): 30

Pump: Whale Pump

Static Water Level (ft): 22.03

Personnel: S. Commisso

Water Column Height (ft): 7.97

Well Volume (gal): 0.33

Well Diameter (inch): 2

Flow rate: 0.5 gallons/min

Time	Time Elapsed (min)	Flow Rate	Gal Removed	Color	Comments
2:25:00 PM	0	0.5 gallons/min	2.5 gallons	Brown	Turbid
2:30:00 PM	5	0.5 gallons/min	2.5 gallons	Light Brown	Cloudy
2:35:00 PM	10	0.5 gallons/min	2.5 gallons	Clear	Clear
2:40:00 PM	15	0.5 gallons/min	2.5 gallons	Clear	Clear

352-362 Shepherd Avenue, Brooklyn, NY
Purge Logs

Well ID: TW-3

Date: 8/27/2021

Well Depth (ft): 30

Pump: Whale Pump

Static Water Level (ft): 21.76

Personnel: S. Commisso

Water Column Height (ft): 8.24

Well Volume (gal): 0.34

Well Diameter (inch): 2

Flow rate: 0.4 gallons/min

Time	Time Elapsed (min)	Flow Rate	Gal Removed	Color	Comments
10:50:00 AM	0	0.4 gallons/min	2 gallons/min	Brown	Turbid
10:55:00 AM	5	0.4 gallons/min	2 gallons/min	Light brown	Cloudy
11:00:00 AM	10	0.4 gallons/min	2 gallons/min	Light brown	Slightly Cloudy
11:05:00 AM	15	0.4 gallons/min	2 gallons/min	Clear	Clear
11:10:00 AM	20	0.4 gallons/min	2 gallons/min	Clear	Clear

352-362 Shepherd Avenue, Brooklyn, NY
Purge Logs

Well ID: TW-4

Date: 8/27/2021

Well Depth (ft): 30

Pump: Whale Pump

Static Water Level (ft): 22.63

Personnel: S. Commisso

Water Column Height (ft): 7.37

Well Volume (gal): 0.30

Well Diameter (inch): 2

Flow rate: 0.3 gallons/min

Time	Time Elapsed (min)	Flow Rate	Gal Removed	Color	Comments
10:10:00 AM	0	0.4 gallons/min	2 gallons/min	Brown	Turbid
10:15:00 AM	5	0.3 gallons/min	1.5 gallons/min	Light brown	Cloudy
10:20:00 AM	10	0.3 gallons/min	1.5 gallons/min	Light brown	Slightly Cloudy
10:25:00 AM	15	0.3 gallons/min	1.5 gallons/min	Clear	Clear
10:30:00 AM	20	0.3 gallons/min	1.5 gallons/min	Clear	Clear

APPENDIX E

Soil Vapor Sampling Logs

352-362 Shepherd Avenue, Brooklyn, NY
Soil Vapor Sample Logs

Site: 352-362 Shepherd Avenue, Brooklyn, NY
Date: 8/25/2021 & 8/27/2021
Personnel: S. Commisso
Weather: High 80s, sunny
Humidity: 8/25/2021- 68%
8/27/2021- 51%

Sample ID	Canister ID	Canister Size	Flow Controller ID	Sample Start Time	Canister Start Pressure ("Hg)	Sample End Time	Canister End Pressure ("Hg)	Sample Start Date	Sample Type	Analyses Method
SV-1	2357	2.7 L	01581	14:08	-30.05	16:08	-6.80	8/25/2021	Soil Gas	TO-15
SV-2	2857	2.7 L	0696	12:31	-29.71	14:31	-4.84	8/25/2021	Soil Gas	TO-15
SV-3	534	2.7 L	0045	10:14	-35.65	12:14	-10.14	8/27/2021	Soil Gas	TO-15
SV-4	2552	2.7 L	02011	9:23	-29.95	11:23	-7.20	8/27/2021	Soil Gas	TO-15
SV-5	191	2.7 L	01961	13:18	-29.60	15:18	-5.16	8/25/2021	Soil Gas	TO-15

Notes:

Summas and flow regulators provided by Alpha Analytical Laboratory
Analyses for VOCs by Method TO-15 completed by Alpha Analytical Laboratory

APPENDIX F

Laboratory Data Deliverables



ANALYTICAL REPORT

Lab Number:	L2145694
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	352-362 SHEPERD AVE
Project Number:	0201831-000
Report Date:	08/31/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145694
Report Date: 08/31/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2145694-01	SV-2	SOIL_VAPOR	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 14:31	08/25/21
L2145694-02	SV-5	SOIL_VAPOR	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 15:18	08/25/21
L2145694-03	SV-1	SOIL_VAPOR	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 16:08	08/25/21

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145694
Report Date: 08/31/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145694
Report Date: 08/31/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 25, 2021. The canister certification results are provided as an addendum.

L2145694-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2145694-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2145694-03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 08/31/21

AIR

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145694**Project Number:** 0201831-000**Report Date:** 08/31/21**SAMPLE RESULTS**

Lab ID: L2145694-01 D
 Client ID: SV-2
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 14:31
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/31/21 01:27
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.460	0.303	--	2.27	1.50	--		1.515
Chloromethane	ND	0.303	--	ND	0.626	--		1.515
Freon-114	ND	0.303	--	ND	2.12	--		1.515
Vinyl chloride	ND	0.303	--	ND	0.775	--		1.515
1,3-Butadiene	0.918	0.303	--	2.03	0.670	--		1.515
Bromomethane	ND	0.303	--	ND	1.18	--		1.515
Chloroethane	ND	0.303	--	ND	0.800	--		1.515
Ethanol	11.5	7.58	--	21.7	14.3	--		1.515
Vinyl bromide	ND	0.303	--	ND	1.32	--		1.515
Acetone	63.9	1.52	--	152	3.61	--		1.515
Trichlorofluoromethane	0.403	0.303	--	2.26	1.70	--		1.515
Isopropanol	1.41	0.758	--	3.47	1.86	--		1.515
1,1-Dichloroethene	ND	0.303	--	ND	1.20	--		1.515
Tertiary butyl Alcohol	1.06	0.758	--	3.21	2.30	--		1.515
Methylene chloride	1.77	0.758	--	6.15	2.63	--		1.515
3-Chloropropene	ND	0.303	--	ND	0.948	--		1.515
Carbon disulfide	8.78	0.303	--	27.3	0.944	--		1.515
Freon-113	ND	0.303	--	ND	2.32	--		1.515
trans-1,2-Dichloroethene	ND	0.303	--	ND	1.20	--		1.515
1,1-Dichloroethane	ND	0.303	--	ND	1.23	--		1.515
Methyl tert butyl ether	ND	0.303	--	ND	1.09	--		1.515
2-Butanone	104	0.758	--	307	2.24	--		1.515
cis-1,2-Dichloroethene	ND	0.303	--	ND	1.20	--		1.515



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145694**Project Number:** 0201831-000**Report Date:** 08/31/21**SAMPLE RESULTS**

Lab ID: L2145694-01 D

Date Collected: 08/25/21 14:31

Client ID: SV-2

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.758	--	ND	2.73	--		1.515
Chloroform	0.417	0.303	--	2.04	1.48	--		1.515
Tetrahydrofuran	0.826	0.758	--	2.44	2.24	--		1.515
1,2-Dichloroethane	ND	0.303	--	ND	1.23	--		1.515
n-Hexane	2.90	0.303	--	10.2	1.07	--		1.515
1,1,1-Trichloroethane	ND	0.303	--	ND	1.65	--		1.515
Benzene	2.24	0.303	--	7.16	0.968	--		1.515
Carbon tetrachloride	ND	0.303	--	ND	1.91	--		1.515
Cyclohexane	0.670	0.303	--	2.31	1.04	--		1.515
1,2-Dichloropropane	ND	0.303	--	ND	1.40	--		1.515
Bromodichloromethane	ND	0.303	--	ND	2.03	--		1.515
1,4-Dioxane	ND	0.303	--	ND	1.09	--		1.515
Trichloroethene	ND	0.303	--	ND	1.63	--		1.515
2,2,4-Trimethylpentane	0.529	0.303	--	2.47	1.42	--		1.515
Heptane	1.42	0.303	--	5.82	1.24	--		1.515
cis-1,3-Dichloropropene	ND	0.303	--	ND	1.38	--		1.515
4-Methyl-2-pentanone	0.758	0.758	--	3.11	3.11	--		1.515
trans-1,3-Dichloropropene	ND	0.303	--	ND	1.38	--		1.515
1,1,2-Trichloroethane	ND	0.303	--	ND	1.65	--		1.515
Toluene	37.5	0.303	--	141	1.14	--		1.515
2-Hexanone	7.76	0.303	--	31.8	1.24	--		1.515
Dibromochloromethane	ND	0.303	--	ND	2.58	--		1.515
1,2-Dibromoethane	ND	0.303	--	ND	2.33	--		1.515
Tetrachloroethene	1.28	0.303	--	8.68	2.05	--		1.515
Chlorobenzene	ND	0.303	--	ND	1.40	--		1.515
Ethylbenzene	5.73	0.303	--	24.9	1.32	--		1.515



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145694**Project Number:** 0201831-000**Report Date:** 08/31/21**SAMPLE RESULTS**

Lab ID: L2145694-01 D

Date Collected: 08/25/21 14:31

Client ID: SV-2

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	22.9	0.606	--	99.5	2.63	--		1.515
Bromoform	ND	0.303	--	ND	3.13	--		1.515
Styrene	0.491	0.303	--	2.09	1.29	--		1.515
1,1,2,2-Tetrachloroethane	ND	0.303	--	ND	2.08	--		1.515
o-Xylene	6.96	0.303	--	30.2	1.32	--		1.515
4-Ethyltoluene	0.868	0.303	--	4.27	1.49	--		1.515
1,3,5-Trimethylbenzene	1.04	0.303	--	5.11	1.49	--		1.515
1,2,4-Trimethylbenzene	4.46	0.303	--	21.9	1.49	--		1.515
Benzyl chloride	ND	0.303	--	ND	1.57	--		1.515
1,3-Dichlorobenzene	ND	0.303	--	ND	1.82	--		1.515
1,4-Dichlorobenzene	ND	0.303	--	ND	1.82	--		1.515
1,2-Dichlorobenzene	ND	0.303	--	ND	1.82	--		1.515
1,2,4-Trichlorobenzene	ND	0.303	--	ND	2.25	--		1.515
Hexachlorobutadiene	ND	0.303	--	ND	3.23	--		1.515

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2145694**Report Date:** 08/31/21**SAMPLE RESULTS**

Lab ID: L2145694-02 D
 Client ID: SV-5
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 15:18
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/31/21 02:04
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.714	--	ND	3.53	--		3.571
Chloromethane	ND	0.714	--	ND	1.47	--		3.571
Freon-114	ND	0.714	--	ND	4.99	--		3.571
Vinyl chloride	ND	0.714	--	ND	1.83	--		3.571
1,3-Butadiene	1.00	0.714	--	2.21	1.58	--		3.571
Bromomethane	ND	0.714	--	ND	2.77	--		3.571
Chloroethane	ND	0.714	--	ND	1.88	--		3.571
Ethanol	18.7	17.8	--	35.2	33.5	--		3.571
Vinyl bromide	ND	0.714	--	ND	3.12	--		3.571
Acetone	55.9	3.57	--	133	8.48	--		3.571
Trichlorofluoromethane	ND	0.714	--	ND	4.01	--		3.571
Isopropanol	ND	1.78	--	ND	4.38	--		3.571
1,1-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571
Tertiary butyl Alcohol	2.48	1.78	--	7.52	5.40	--		3.571
Methylene chloride	ND	1.78	--	ND	6.18	--		3.571
3-Chloropropene	ND	0.714	--	ND	2.23	--		3.571
Carbon disulfide	2.24	0.714	--	6.98	2.22	--		3.571
Freon-113	ND	0.714	--	ND	5.47	--		3.571
trans-1,2-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571
1,1-Dichloroethane	ND	0.714	--	ND	2.89	--		3.571
Methyl tert butyl ether	ND	0.714	--	ND	2.57	--		3.571
2-Butanone	215	1.78	--	634	5.25	--		3.571
cis-1,2-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145694**Project Number:** 0201831-000**Report Date:** 08/31/21**SAMPLE RESULTS**

Lab ID: L2145694-02 D

Date Collected: 08/25/21 15:18

Client ID: SV-5

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.78	--	ND	6.41	--		3.571
Chloroform	ND	0.714	--	ND	3.49	--		3.571
Tetrahydrofuran	ND	1.78	--	ND	5.25	--		3.571
1,2-Dichloroethane	ND	0.714	--	ND	2.89	--		3.571
n-Hexane	5.11	0.714	--	18.0	2.52	--		3.571
1,1,1-Trichloroethane	ND	0.714	--	ND	3.90	--		3.571
Benzene	2.70	0.714	--	8.63	2.28	--		3.571
Carbon tetrachloride	ND	0.714	--	ND	4.49	--		3.571
Cyclohexane	0.975	0.714	--	3.36	2.46	--		3.571
1,2-Dichloropropane	ND	0.714	--	ND	3.30	--		3.571
Bromodichloromethane	ND	0.714	--	ND	4.78	--		3.571
1,4-Dioxane	ND	0.714	--	ND	2.57	--		3.571
Trichloroethene	ND	0.714	--	ND	3.84	--		3.571
2,2,4-Trimethylpentane	ND	0.714	--	ND	3.33	--		3.571
Heptane	2.53	0.714	--	10.4	2.93	--		3.571
cis-1,3-Dichloropropene	ND	0.714	--	ND	3.24	--		3.571
4-Methyl-2-pentanone	ND	1.78	--	ND	7.29	--		3.571
trans-1,3-Dichloropropene	ND	0.714	--	ND	3.24	--		3.571
1,1,2-Trichloroethane	ND	0.714	--	ND	3.90	--		3.571
Toluene	62.8	0.714	--	237	2.69	--		3.571
2-Hexanone	16.0	0.714	--	65.6	2.93	--		3.571
Dibromochloromethane	ND	0.714	--	ND	6.08	--		3.571
1,2-Dibromoethane	ND	0.714	--	ND	5.49	--		3.571
Tetrachloroethene	8.48	0.714	--	57.5	4.84	--		3.571
Chlorobenzene	ND	0.714	--	ND	3.29	--		3.571
Ethylbenzene	9.87	0.714	--	42.9	3.10	--		3.571



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145694**Project Number:** 0201831-000**Report Date:** 08/31/21**SAMPLE RESULTS**

Lab ID: L2145694-02 D

Date Collected: 08/25/21 15:18

Client ID: SV-5

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	39.3	1.43	--	171	6.21	--		3.571
Bromoform	ND	0.714	--	ND	7.38	--		3.571
Styrene	0.782	0.714	--	3.33	3.04	--		3.571
1,1,2,2-Tetrachloroethane	ND	0.714	--	ND	4.90	--		3.571
o-Xylene	11.8	0.714	--	51.3	3.10	--		3.571
4-Ethyltoluene	1.53	0.714	--	7.52	3.51	--		3.571
1,3,5-Trimethylbenzene	1.94	0.714	--	9.54	3.51	--		3.571
1,2,4-Trimethylbenzene	7.78	0.714	--	38.2	3.51	--		3.571
Benzyl chloride	ND	0.714	--	ND	3.70	--		3.571
1,3-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,4-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,2-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,2,4-Trichlorobenzene	ND	0.714	--	ND	5.30	--		3.571
Hexachlorobutadiene	ND	0.714	--	ND	7.62	--		3.571

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140



Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2145694**Report Date:** 08/31/21**SAMPLE RESULTS**

Lab ID: L2145694-03 D
 Client ID: SV-1
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 16:08
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/31/21 02:42
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	3.67	--	ND	18.1	--		18.37
Chloromethane	ND	3.67	--	ND	7.58	--		18.37
Freon-114	ND	3.67	--	ND	25.7	--		18.37
Vinyl chloride	ND	3.67	--	ND	9.38	--		18.37
1,3-Butadiene	ND	3.67	--	ND	8.12	--		18.37
Bromomethane	ND	3.67	--	ND	14.3	--		18.37
Chloroethane	ND	3.67	--	ND	9.68	--		18.37
Ethanol	ND	91.8	--	ND	173	--		18.37
Vinyl bromide	ND	3.67	--	ND	16.0	--		18.37
Acetone	249	18.4	--	591	43.7	--		18.37
Trichlorofluoromethane	ND	3.67	--	ND	20.6	--		18.37
Isopropanol	ND	9.18	--	ND	22.6	--		18.37
1,1-Dichloroethene	ND	3.67	--	ND	14.6	--		18.37
Tertiary butyl Alcohol	16.4	9.18	--	49.7	27.8	--		18.37
Methylene chloride	ND	9.18	--	ND	31.9	--		18.37
3-Chloropropene	ND	3.67	--	ND	11.5	--		18.37
Carbon disulfide	ND	3.67	--	ND	11.4	--		18.37
Freon-113	ND	3.67	--	ND	28.1	--		18.37
trans-1,2-Dichloroethene	ND	3.67	--	ND	14.6	--		18.37
1,1-Dichloroethane	ND	3.67	--	ND	14.9	--		18.37
Methyl tert butyl ether	ND	3.67	--	ND	13.2	--		18.37
2-Butanone	881	9.18	--	2600	27.1	--		18.37
cis-1,2-Dichloroethene	ND	3.67	--	ND	14.6	--		18.37



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145694**Project Number:** 0201831-000**Report Date:** 08/31/21**SAMPLE RESULTS**

Lab ID: L2145694-03 D

Date Collected: 08/25/21 16:08

Client ID: SV-1

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	9.18	--	ND	33.1	--		18.37
Chloroform	ND	3.67	--	ND	17.9	--		18.37
Tetrahydrofuran	ND	9.18	--	ND	27.1	--		18.37
1,2-Dichloroethane	ND	3.67	--	ND	14.9	--		18.37
n-Hexane	ND	3.67	--	ND	12.9	--		18.37
1,1,1-Trichloroethane	ND	3.67	--	ND	20.0	--		18.37
Benzene	ND	3.67	--	ND	11.7	--		18.37
Carbon tetrachloride	ND	3.67	--	ND	23.1	--		18.37
Cyclohexane	ND	3.67	--	ND	12.6	--		18.37
1,2-Dichloropropane	ND	3.67	--	ND	17.0	--		18.37
Bromodichloromethane	ND	3.67	--	ND	24.6	--		18.37
1,4-Dioxane	ND	3.67	--	ND	13.2	--		18.37
Trichloroethene	ND	3.67	--	ND	19.7	--		18.37
2,2,4-Trimethylpentane	ND	3.67	--	ND	17.1	--		18.37
Heptane	5.02	3.67	--	20.6	15.0	--		18.37
cis-1,3-Dichloropropene	ND	3.67	--	ND	16.7	--		18.37
4-Methyl-2-pentanone	ND	9.18	--	ND	37.6	--		18.37
trans-1,3-Dichloropropene	ND	3.67	--	ND	16.7	--		18.37
1,1,2-Trichloroethane	ND	3.67	--	ND	20.0	--		18.37
Toluene	ND	3.67	--	ND	13.8	--		18.37
2-Hexanone	93.0	3.67	--	381	15.0	--		18.37
Dibromochloromethane	ND	3.67	--	ND	31.3	--		18.37
1,2-Dibromoethane	ND	3.67	--	ND	28.2	--		18.37
Tetrachloroethene	ND	3.67	--	ND	24.9	--		18.37
Chlorobenzene	ND	3.67	--	ND	16.9	--		18.37
Ethylbenzene	ND	3.67	--	ND	15.9	--		18.37



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145694**Project Number:** 0201831-000**Report Date:** 08/31/21**SAMPLE RESULTS****Lab ID:** L2145694-03 D**Date Collected:** 08/25/21 16:08**Client ID:** SV-1**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	7.35	--	ND	31.9	--		18.37
Bromoform	ND	3.67	--	ND	37.9	--		18.37
Styrene	ND	3.67	--	ND	15.6	--		18.37
1,1,2,2-Tetrachloroethane	ND	3.67	--	ND	25.2	--		18.37
o-Xylene	ND	3.67	--	ND	15.9	--		18.37
4-Ethyltoluene	ND	3.67	--	ND	18.0	--		18.37
1,3,5-Trimethylbenzene	ND	3.67	--	ND	18.0	--		18.37
1,2,4-Trimethylbenzene	ND	3.67	--	ND	18.0	--		18.37
Benzyl chloride	ND	3.67	--	ND	19.0	--		18.37
1,3-Dichlorobenzene	ND	3.67	--	ND	22.1	--		18.37
1,4-Dichlorobenzene	ND	3.67	--	ND	22.1	--		18.37
1,2-Dichlorobenzene	ND	3.67	--	ND	22.1	--		18.37
1,2,4-Trichlorobenzene	ND	3.67	--	ND	27.2	--		18.37
Hexachlorobutadiene	ND	3.67	--	ND	39.1	--		18.37

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	101		60-140



Project Name: 352-362 SHEPERD AVE

Lab Number: L2145694

Project Number: 0201831-000

Report Date: 08/31/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/30/21 15:41

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1540867-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: 352-362 SHEPERD AVE

Lab Number: L2145694

Project Number: 0201831-000

Report Date: 08/31/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/30/21 15:41

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1540867-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: 352-362 SHEPERD AVE

Lab Number: L2145694

Project Number: 0201831-000

Report Date: 08/31/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/30/21 15:41

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1540867-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145694

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1540867-3								
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	93		-		70-130	-		
Freon-114	91		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	98		-		70-130	-		
Chloroethane	94		-		70-130	-		
Ethanol	77		-		40-160	-		
Vinyl bromide	88		-		70-130	-		
Acetone	72		-		40-160	-		
Trichlorofluoromethane	87		-		70-130	-		
Isopropanol	70		-		40-160	-		
1,1-Dichloroethene	102		-		70-130	-		
Tertiary butyl Alcohol	82		-		70-130	-		
Methylene chloride	97		-		70-130	-		
3-Chloropropene	106		-		70-130	-		
Carbon disulfide	86		-		70-130	-		
Freon-113	94		-		70-130	-		
trans-1,2-Dichloroethene	90		-		70-130	-		
1,1-Dichloroethane	89		-		70-130	-		
Methyl tert butyl ether	90		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145694

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1540867-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	94		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
n-Hexane	92		-		70-130	-		
1,1,1-Trichloroethane	87		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	87		-		70-130	-		
Cyclohexane	93		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	88		-		70-130	-		
2,2,4-Trimethylpentane	93		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	99		-		70-130	-		
4-Methyl-2-pentanone	102		-		70-130	-		
trans-1,3-Dichloropropene	84		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		
Toluene	93		-		70-130	-		
2-Hexanone	96		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145694

Report Date: 08/31/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1540867-3								
Tetrachloroethene	88		-		70-130	-		
Chlorobenzene	96		-		70-130	-		
Ethylbenzene	95		-		70-130	-		
p/m-Xylene	95		-		70-130	-		
Bromoform	94		-		70-130	-		
Styrene	91		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	94		-		70-130	-		
4-Ethyltoluene	93		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	96		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	90		-		70-130	-		
1,4-Dichlorobenzene	87		-		70-130	-		
1,2-Dichlorobenzene	91		-		70-130	-		
1,2,4-Trichlorobenzene	96		-		70-130	-		
Hexachlorobutadiene	96		-		70-130	-		

Project Name: 352-362 SHEPERD AVE

Serial_No:08312113:28
Lab Number: L2145694

Project Number: 0201831-000

Report Date: 08/31/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2145694-01	SV-2	0696	Flow 4	08/25/21	361999		-	-	-	Pass	18.0	16.2	11
L2145694-01	SV-2	2857	2.7L Can	08/25/21	361999	L2144248-04	Pass	-29.5	-5.3	-	-	-	-
L2145694-02	SV-5	01961	Flow 3	08/25/21	361999		-	-	-	Pass	18.0	17.1	5
L2145694-02	SV-5	191	2.7L Can	08/25/21	361999	L2144248-04	Pass	-29.5	-5.4	-	-	-	-
L2145694-03	SV-1	01581	Flow 4	08/25/21	361999		-	-	-	Pass	18.0	16.6	8
L2145694-03	SV-1	2357	2.7L Can	08/25/21	361999	L2144248-04	Pass	-29.3	-6.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 08/31/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/22/21 18:08
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 08/31/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 08/31/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 08/31/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2144248**Project Number:** CANISTER QC BAT**Report Date:** 08/31/21**Air Canister Certification Results**

Lab ID: L2144248-04

Date Collected: 08/18/21 09:00

Client ID: CAN 335 SHELF 2

Date Received: 08/18/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 08/31/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/22/21 18:08
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 08/31/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2144248**Project Number:** CANISTER QC BAT**Report Date:** 08/31/21**Air Canister Certification Results**

Lab ID: L2144248-04

Date Collected: 08/18/21 09:00

Client ID: CAN 335 SHELF 2

Date Received: 08/18/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Serial_No:08312113:28
Lab Number: L2145694
Report Date: 08/31/21

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145694-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2145694-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2145694-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145694
Report Date: 08/31/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145694
Report Date: 08/31/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145694
Report Date: 08/31/21

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145694
Report Date: 08/31/21

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



ANALYTICAL REPORT

Lab Number:	L2145698
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	352-362 SHEPHERD AVE.
Project Number:	0201831-000
Report Date:	09/08/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Number: L2145698
Report Date: 09/08/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2145698-01	TW-2	WATER	352-362 SHEPHERD AVE., BROOKLYN, NY	08/25/21 14:40	08/25/21

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Number: L2145698
Report Date: 09/08/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Number: L2145698
Report Date: 09/08/21

Case Narrative (continued)

Report Submission

September 08, 2021: This final report includes the results of all requested analyses.

August 31, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

L2145698-01: The MeOH fraction of the extraction is reported for Perfluorooctanesulfonamide (FOSA) due to better extraction efficiency of the M8FOSA Surrogate (Extracted Internal Standard).

Total Metals

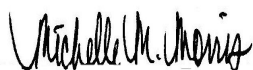
The WG1539639-2 LCS recovery, associated with L2145698-01, is above the acceptance criteria for thallium (122%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

Dissolved Metals

The WG1539672-1 Method Blank, associated with L2145698-01, has a concentration above the reporting limit for sodium. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 09/08/21

ORGANICS

VOLATILES

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01
 Client ID: TW-2
 Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Date Collected: 08/25/21 14:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/27/21 21:27
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	3.2		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	5.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS****Lab ID:** L2145698-01**Date Collected:** 08/25/21 14:40**Client ID:** TW-2**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPHERD AVE., BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS****Lab ID:** L2145698-01**Date Collected:** 08/25/21 14:40**Client ID:** TW-2**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPHERD AVE., BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	105		70-130

Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/21 17:20
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1540533-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/21 17:20
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1540533-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/21 17:20
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1540533-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1540533-3 WG1540533-4								
Methylene chloride	98		93		70-130	5		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	91		97		63-132	6		20
1,2-Dichloropropane	98		95		70-130	3		20
Dibromochloromethane	84		93		63-130	10		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	98		97		70-130	1		20
1,1,1-Trichloroethane	98		99		67-130	1		20
Bromodichloromethane	86		90		67-130	5		20
trans-1,3-Dichloropropene	89		94		70-130	5		20
cis-1,3-Dichloropropene	88		90		70-130	2		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	80		88		54-136	10		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	79		80		64-130	1		20
Bromomethane	100		95		39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1540533-3 WG1540533-4								
Vinyl chloride	110		100		55-140	10		20
Chloroethane	95		96		55-138	1		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	100		96		70-130	4		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	110		120		70-130	9		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	120		110		58-148	9		20
Carbon disulfide	95		92		51-130	3		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	100		110		70-130	10		20
4-Methyl-2-pentanone	110		120		59-130	9		20
2-Hexanone	110		120		57-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1540533-3 WG1540533-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	100		98		63-133	2		20
1,2-Dibromoethane	110		110		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	84		87		64-130	4		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	84		92		41-144	9		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	110		110		70-130	0		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	114		120		56-162	5		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1540533-3 WG1540533-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	110		100		59-134	10		20
trans-1,4-Dichloro-2-butene	93		99		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	101		103		70-130

SEMIVOLATILES

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01
 Client ID: TW-2
 Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Date Collected: 08/25/21 14:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 08/28/21 19:07
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 08/26/21 08:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS****Lab ID:** L2145698-01**Date Collected:** 08/25/21 14:40**Client ID:** TW-2**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPHERD AVE., BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	77		41-149

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01
 Client ID: TW-2
 Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Date Collected: 08/25/21 14:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 08/28/21 17:50
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 08/26/21 08:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.77		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.09	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01

Date Collected: 08/25/21 14:40

Client ID: TW-2

Date Received: 08/25/21

Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	74		41-149

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01

Date Collected: 08/25/21 14:40

Client ID: TW-2

Date Received: 08/25/21

Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 08/28/21 11:00

Analytical Date: 08/29/21 16:38

Analyst: DB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	47			15-110		

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01
 Client ID: TW-2
 Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Date Collected: 08/25/21 14:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 08/28/21 19:02
 Analyst: MP

Extraction Method: ALPHA 23528
 Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	4.75		ng/l	1.83	0.374	1
Perfluoropentanoic Acid (PFPeA)	4.33		ng/l	1.83	0.363	1
Perfluorobutanesulfonic Acid (PFBS)	5.06		ng/l	1.83	0.218	1
Perfluorohexanoic Acid (PFHxA)	4.78		ng/l	1.83	0.301	1
Perfluoroheptanoic Acid (PFHpA)	5.15		ng/l	1.83	0.206	1
Perfluorohexanesulfonic Acid (PFHxS)	1.74	J	ng/l	1.83	0.345	1
Perfluorooctanoic Acid (PFOA)	28.1		ng/l	1.83	0.216	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.83	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.83	0.630	1
Perfluorononanoic Acid (PFNA)	1.32	J	ng/l	1.83	0.286	1
Perfluorooctanesulfonic Acid (PFOS)	17.0		ng/l	1.83	0.462	1
Perfluorodecanoic Acid (PFDA)	1.66	J	ng/l	1.83	0.279	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.83	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.83	0.594	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.83	0.238	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.83	0.898	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.83	0.737	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.83	0.341	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.83	0.300	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.83	0.227	1
PFOA/PFOS, Total	45.1		ng/l	1.83	0.216	1

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS****Lab ID:** L2145698-01**Date Collected:** 08/25/21 14:40**Client ID:** TW-2**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPHERD AVE., BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	67		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	72		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	133		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		22-136

Project Name: 352-362 SHEPHERD AVE.**Project Number:** 0201831-000**Lab Number:** L2145698**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01

Client ID: TW-2

Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Date Collected: 08/25/21 14:40

Date Received: 08/25/21

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 134,LCMSMS-ID

Analytical Date: 09/01/21 18:38

Analyst: SG

Extraction Method: ALPHA 23528

Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.83	0.532	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	95			10-112		

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/26/21 21:15
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 08/26/21 04:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1539296-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/26/21 21:15
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 08/26/21 04:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1539296-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Number: L2145698
Report Date: 09/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/21 21:15
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/26/21 04:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1539296-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	58		41-149

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/26/21 15:50
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 08/26/21 04:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1539298-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Number: L2145698
Report Date: 09/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/26/21 15:50
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 08/26/21 04:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1539298-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	67		41-149

Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID

Extraction Method: ALPHA 23528

Analytical Date: 08/28/21 17:06

Extraction Date: 08/27/21 08:50

Analyst: MP

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1539834-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Number: L2145698
Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/21 17:06
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1539834-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	107		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		22-136

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Number: L2145698
Report Date: 09/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/21 18:23
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/27/21 08:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1539834-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-112

Project Name: 352-362 SHEPHERD AVE.**Project Number:** 0201831-000**Lab Number:** L2145698**Report Date:** 09/08/21**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D-SIM
Analytical Date: 08/29/21 11:04
Analyst: DBExtraction Method: EPA 3510C
Extraction Date: 08/28/21 11:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01 Batch: WG1540231-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1539296-2 WG1539296-3								
Acenaphthene	56		58		37-111	4		30
1,2,4-Trichlorobenzene	58		59		39-98	2		30
Hexachlorobenzene	60		64		40-140	6		30
Bis(2-chloroethyl)ether	54		56		40-140	4		30
2-Chloronaphthalene	55		57		40-140	4		30
1,2-Dichlorobenzene	55		57		40-140	4		30
1,3-Dichlorobenzene	53		53		40-140	0		30
1,4-Dichlorobenzene	55		55		36-97	0		30
3,3'-Dichlorobenzidine	49		52		40-140	6		30
2,4-Dinitrotoluene	61		66		48-143	8		30
2,6-Dinitrotoluene	61		68		40-140	11		30
Fluoranthene	54		59		40-140	9		30
4-Chlorophenyl phenyl ether	56		58		40-140	4		30
4-Bromophenyl phenyl ether	59		63		40-140	7		30
Bis(2-chloroisopropyl)ether	47		49		40-140	4		30
Bis(2-chloroethoxy)methane	60		61		40-140	2		30
Hexachlorobutadiene	56		55		40-140	2		30
Hexachlorocyclopentadiene	55		56		40-140	2		30
Hexachloroethane	61		63		40-140	3		30
Isophorone	55		57		40-140	4		30
Naphthalene	53		55		40-140	4		30
Nitrobenzene	87		88		40-140	1		30
NDPA/DPA	56		60		40-140	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1539296-2 WG1539296-3								
n-Nitrosodi-n-propylamine	59		60		29-132	2		30
Bis(2-ethylhexyl)phthalate	62		69		40-140	11		30
Butyl benzyl phthalate	59		64		40-140	8		30
Di-n-butylphthalate	54		57		40-140	5		30
Di-n-octylphthalate	60		66		40-140	10		30
Diethyl phthalate	60		64		40-140	6		30
Dimethyl phthalate	55		59		40-140	7		30
Benzo(a)anthracene	57		61		40-140	7		30
Benzo(a)pyrene	62		64		40-140	3		30
Benzo(b)fluoranthene	61		64		40-140	5		30
Benzo(k)fluoranthene	61		62		40-140	2		30
Chrysene	53		56		40-140	6		30
Acenaphthylene	53		56		45-123	6		30
Anthracene	54		56		40-140	4		30
Benzo(ghi)perylene	61		63		40-140	3		30
Fluorene	55		57		40-140	4		30
Phenanthrene	54		56		40-140	4		30
Dibenzo(a,h)anthracene	56		60		40-140	7		30
Indeno(1,2,3-cd)pyrene	52		55		40-140	6		30
Pyrene	52		56		26-127	7		30
Biphenyl	52		54		40-140	4		30
4-Chloroaniline	43		40		40-140	7		30
2-Nitroaniline	61		66		52-143	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1539296-2 WG1539296-3								
3-Nitroaniline	58		57		25-145	2		30
4-Nitroaniline	58		64		51-143	10		30
Dibenzofuran	55		57		40-140	4		30
2-Methylnaphthalene	52		53		40-140	2		30
1,2,4,5-Tetrachlorobenzene	55		57		2-134	4		30
Acetophenone	55		55		39-129	0		30
2,4,6-Trichlorophenol	59		62		30-130	5		30
p-Chloro-m-cresol	59		63		23-97	7		30
2-Chlorophenol	57		59		27-123	3		30
2,4-Dichlorophenol	59		62		30-130	5		30
2,4-Dimethylphenol	55		55		30-130	0		30
2-Nitrophenol	71		72		30-130	1		30
4-Nitrophenol	56		62		10-80	10		30
2,4-Dinitrophenol	82		82		20-130	0		30
4,6-Dinitro-o-cresol	76		81		20-164	6		30
Pentachlorophenol	57		61		9-103	7		30
Phenol	43		45		12-110	5		30
2-Methylphenol	56		58		30-130	4		30
3-Methylphenol/4-Methylphenol	57		58		30-130	2		30
2,4,5-Trichlorophenol	56		62		30-130	10		30
Benzoic Acid	63		62		10-164	2		30
Benzyl Alcohol	54		55		26-116	2		30
Carbazole	53	Q	57		55-144	7		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1539296-2 WG1539296-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		53		21-120
Phenol-d6	43		43		10-120
Nitrobenzene-d5	65		64		23-120
2-Fluorobiphenyl	49		52		15-120
2,4,6-Tribromophenol	68		73		10-120
4-Terphenyl-d14	53		55		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1539298-2 WG1539298-3								
Acenaphthene	60		60		40-140	0		40
2-Chloronaphthalene	72		72		40-140	0		40
Fluoranthene	61		72		40-140	17		40
Hexachlorobutadiene	66		66		40-140	0		40
Naphthalene	62		63		40-140	2		40
Benzo(a)anthracene	59		64		40-140	8		40
Benzo(a)pyrene	56		63		40-140	12		40
Benzo(b)fluoranthene	56		64		40-140	13		40
Benzo(k)fluoranthene	54		66		40-140	20		40
Chrysene	55		60		40-140	9		40
Acenaphthylene	68		71		40-140	4		40
Anthracene	59		61		40-140	3		40
Benzo(ghi)perylene	56		56		40-140	0		40
Fluorene	60		60		40-140	0		40
Phenanthrene	56		59		40-140	5		40
Dibenzo(a,h)anthracene	59		56		40-140	5		40
Indeno(1,2,3-cd)pyrene	59		56		40-140	5		40
Pyrene	61		73		40-140	18		40
2-Methylnaphthalene	69		71		40-140	3		40
Pentachlorophenol	62		65		40-140	5		40
Hexachlorobenzene	44		50		40-140	13		40
Hexachloroethane	70		68		40-140	3		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 352-362 SHEPHERD AVE.**Project Number:** 0201831-000**Lab Number:** L2145698**Report Date:** 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1539298-2 WG1539298-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		56		21-120
Phenol-d6	50		52		10-120
Nitrobenzene-d5	110		109		23-120
2-Fluorobiphenyl	72		72		15-120
2,4,6-Tribromophenol	74		72		10-120
4-Terphenyl-d14	66		83		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1539834-2								
Perfluorobutanoic Acid (PFBA)	94		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	93		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	98		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	93		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	104		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	95		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	109		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	92		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	95		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	85		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	94		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	114		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1539834-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	129				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	84				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	94				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1539834-2								
Perfluorooctanesulfonamide (FOSA)	86		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91				10-112

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 352-362 SHEPHERD AVE.**Project Number:** 0201831-000**Lab Number:** L2145698**Report Date:** 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1540231-2 WG1540231-3								
1,4-Dioxane	109		109		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	47		50		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539834-3 QC Sample: L2145493-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	38.5	36.8	96	-	-	-	-	67-148	-	-	30
Perfluoropentanoic Acid (PFPeA)	ND	38.5	36.2	94	-	-	-	-	63-161	-	-	30
Perfluorobutanesulfonic Acid (PFBS)	ND	34.2	32.9	96	-	-	-	-	65-157	-	-	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	36	35.3	98	-	-	-	-	37-219	-	-	30
Perfluorohexanoic Acid (PFHxA)	ND	38.5	36.8	96	-	-	-	-	69-168	-	-	30
Perfluoropentanesulfonic Acid (PFPeS)	ND	36.2	35.8	99	-	-	-	-	52-156	-	-	30
Perfluoroheptanoic Acid (PFHpA)	ND	38.5	36.1	94	-	-	-	-	58-159	-	-	30
Perfluorohexanesulfonic Acid (PFHxS)	ND	35.2	33.0	94	-	-	-	-	69-177	-	-	30
Perfluorooctanoic Acid (PFOA)	ND	38.5	37.9	98	-	-	-	-	63-159	-	-	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	36.7	39.5	108	-	-	-	-	49-187	-	-	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.7	36.0	98	-	-	-	-	61-179	-	-	30
Perfluorononanoic Acid (PFNA)	ND	38.5	36.7	95	-	-	-	-	68-171	-	-	30
Perfluorooctanesulfonic Acid (PFOS)	ND	35.8	37.5	105	-	-	-	-	52-151	-	-	30
Perfluorodecanoic Acid (PFDA)	ND	38.5	36.9	96	-	-	-	-	63-171	-	-	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	37	37.0	100	-	-	-	-	56-173	-	-	30
Perfluorononanesulfonic Acid (PFNS)	ND	37.1	36.1	97	-	-	-	-	48-150	-	-	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.5	36.3	94	-	-	-	-	60-166	-	-	30
Perfluoroundecanoic Acid (PFUnA)	ND	38.5	35.8	93	-	-	-	-	60-153	-	-	30
Perfluorodecanesulfonic Acid (PFDS)	ND	37.1	37.0	100	-	-	-	-	38-156	-	-	30
Perfluorooctanesulfonamide (FOSA)	ND	38.5	35.1	91	-	-	-	-	46-170	-	-	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.5	35.7	93	-	-	-	-	45-170	-	-	30
Perfluorododecanoic Acid (PFDoA)	ND	38.5	37.3	97	-	-	-	-	67-153	-	-	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539834-3 QC Sample: L2145493-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	38.5	41.9	109		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38.5	36.9	96		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	131				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	139				12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	142				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	106				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	110				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110				70-131

Lab Duplicate Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539834-4 QC Sample: L2145698-01 Client ID: TW-2						
Perfluorobutanoic Acid (PFBA)	4.75	4.44	ng/l	7		30
Perfluoropentanoic Acid (PFPeA)	4.33	4.14	ng/l	4		30
Perfluorobutanesulfonic Acid (PFBS)	5.06	4.77	ng/l	6		30
Perfluorohexanoic Acid (PFHxA)	4.78	4.71	ng/l	1		30
Perfluoroheptanoic Acid (PFHpA)	5.15	4.90	ng/l	5		30
Perfluorohexanesulfonic Acid (PFHxS)	1.74J	1.83J	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	28.1	27.1	ng/l	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	1.32J	1.30J	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	17.0	17.6	ng/l	3		30
Perfluorodecanoic Acid (PFDA)	1.66J	1.54J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539834-4 QC Sample: L2145698-01 Client ID: TW-2						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		67		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	67		64		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		99		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		64		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		66		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		99		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	72		65		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	133		126		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		63		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		100		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		64		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132		114		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		50		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		72		55-137
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		46		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		69		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		57		22-136

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539834-4 QC Sample: L2145698-01 Client ID: TW-2

Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC	30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	95		87		10-112

PCBS

Project Name: 352-362 SHEPHERD AVE.**Project Number:** 0201831-000**Lab Number:** L2145698**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01
 Client ID: TW-2
 Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Date Collected: 08/25/21 14:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 08/26/21 23:50
 Analyst: JM

Extraction Method: EPA 3510C
 Extraction Date: 08/26/21 08:31
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/26/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Number: L2145698
Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/26/21 09:14
 Analyst: JM

Extraction Method: EPA 3510C
 Extraction Date: 08/25/21 16:39
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/26/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1539103-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1539103-2 WG1539103-3									
Aroclor 1016	59		62		40-140	4		50	A
Aroclor 1260	61		62		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		62		30-150	A
Decachlorobiphenyl	61		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		63		30-150	B
Decachlorobiphenyl	62		59		30-150	B

PESTICIDES

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01
 Client ID: TW-2
 Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Date Collected: 08/25/21 14:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 08/27/21 12:11
 Analyst: AR

Extraction Method: EPA 3510C
 Extraction Date: 08/26/21 07:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.009	J	ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	0.018		ug/l	0.014	0.005	1	A
trans-Chlordane	0.006	J	ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS****Lab ID:** L2145698-01**Date Collected:** 08/25/21 14:40**Client ID:** TW-2**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPHERD AVE., BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/26/21 11:59
 Analyst: AR

Extraction Method: EPA 3510C
 Extraction Date: 08/25/21 15:21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1539101-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8081B
 Analytical Date: 08/26/21 11:59
 Analyst: AR

Extraction Method: EPA 3510C
 Extraction Date: 08/25/21 15:21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1539101-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1539101-2 WG1539101-3									
Delta-BHC	91		78		30-150	15		20	A
Lindane	92		73		30-150	24	Q	20	A
Alpha-BHC	91		76		30-150	17		20	A
Beta-BHC	80		65		30-150	20		20	A
Heptachlor	87		70		30-150	22	Q	20	A
Aldrin	92		74		30-150	23	Q	20	A
Heptachlor epoxide	90		73		30-150	21	Q	20	A
Endrin	92		75		30-150	20		20	A
Endrin aldehyde	73		64		30-150	13		20	A
Endrin ketone	92		79		30-150	15		20	A
Dieldrin	98		80		30-150	19		20	A
4,4'-DDE	94		77		30-150	20		20	A
4,4'-DDD	105		85		30-150	21	Q	20	A
4,4'-DDT	99		81		30-150	19		20	A
Endosulfan I	88		72		30-150	19		20	A
Endosulfan II	90		75		30-150	18		20	A
Endosulfan sulfate	89		77		30-150	14		20	A
Methoxychlor	96		82		30-150	16		20	A
cis-Chlordane	85		71		30-150	18		20	A
trans-Chlordane	85		69		30-150	21	Q	20	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1539101-2 WG1539101-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		60		30-150	A
Decachlorobiphenyl	70		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		58		30-150	B
Decachlorobiphenyl	70		52		30-150	B

METALS

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01

Date Collected: 08/25/21 14:40

Client ID: TW-2

Date Received: 08/25/21

Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.558		mg/l	0.0100	0.00327	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Antimony, Total	0.00077	J	mg/l	0.00400	0.00042	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00023	J	mg/l	0.00050	0.00016	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Barium, Total	0.04398		mg/l	0.00050	0.00017	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Calcium, Total	32.0		mg/l	0.100	0.0394	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Chromium, Total	0.00249		mg/l	0.00100	0.00017	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00235		mg/l	0.00050	0.00016	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Copper, Total	0.00170		mg/l	0.00100	0.00038	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Iron, Total	1.17		mg/l	0.0500	0.0191	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Lead, Total	0.00064	J	mg/l	0.00100	0.00034	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Magnesium, Total	5.09		mg/l	0.0700	0.0242	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Manganese, Total	0.1264		mg/l	0.00100	0.00044	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/26/21 18:03	08/27/21 10:40	EPA 7470A	1,7470A	NB
Nickel, Total	0.00241		mg/l	0.00200	0.00055	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Potassium, Total	6.67		mg/l	0.100	0.0309	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Selenium, Total	0.00390	J	mg/l	0.00500	0.00173	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Sodium, Total	40.6		mg/l	0.100	0.0293	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Thallium, Total	0.00035	J	mg/l	0.00200	0.00014	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/26/21 18:00	08/26/21 23:45	EPA 3005A	1,6020B	CD
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00344	J	mg/l	0.0100	0.00327	1	08/27/21 14:44	08/30/21 13:17	EPA 3005A	1,6020B	CD
Antimony, Dissolved	0.00081	J	mg/l	0.00400	0.00042	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Barium, Dissolved	0.03972		mg/l	0.00050	0.00017	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD



Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**SAMPLE RESULTS**

Lab ID: L2145698-01

Date Collected: 08/25/21 14:40

Client ID: TW-2

Date Received: 08/25/21

Sample Location: 352-362 SHEPHERD AVE., BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Calcium, Dissolved	34.6		mg/l	0.100	0.0394	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Chromium, Dissolved	0.00092	J	mg/l	0.00100	0.00017	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Cobalt, Dissolved	0.00180		mg/l	0.00050	0.00016	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Iron, Dissolved	0.0210	J	mg/l	0.0500	0.0191	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Magnesium, Dissolved	5.28		mg/l	0.0700	0.0242	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Manganese, Dissolved	0.09368		mg/l	0.00100	0.00044	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/27/21 14:22	08/30/21 09:59	EPA 7470A	1,7470A	OU
Nickel, Dissolved	0.00145	J	mg/l	0.00200	0.00055	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Potassium, Dissolved	7.46		mg/l	0.100	0.0309	1	08/27/21 14:44	08/30/21 13:17	EPA 3005A	1,6020B	CD
Selenium, Dissolved	0.00332	J	mg/l	0.00500	0.00173	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Sodium, Dissolved	42.8		mg/l	0.100	0.0293	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/27/21 14:44	08/28/21 01:52	EPA 3005A	1,6020B	CD



Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1539639-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Thallium, Total	ND		mg/l	0.00200	0.00014	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/26/21 18:00	08/26/21 22:11	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1539642-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/26/21 18:03	08/27/21 10:23	1,7470A	NB



Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01 Batch: WG1539672-1										
Aluminum, Dissolved	0.00591	J	mg/l	0.0100	0.00327	1	08/27/21 14:44	08/30/21 11:59	1,6020B	CD
Antimony, Dissolved	0.00062	J	mg/l	0.00400	0.00042	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Chromium, Dissolved	0.00061	J	mg/l	0.00100	0.00017	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Manganese, Dissolved	0.00067	J	mg/l	0.00100	0.00044	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/27/21 14:44	08/30/21 11:59	1,6020B	CD
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Sodium, Dissolved	0.227		mg/l	0.100	0.0293	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/27/21 14:44	08/28/21 00:35	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A



Project Name: 352-362 SHEPHERD AVE.

Lab Number: L2145698

Project Number: 0201831-000

Report Date: 09/08/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01 Batch: WG1539673-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/27/21 14:22	08/30/21 09:23	1,7470A	OU

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1539639-2								
Aluminum, Total	100		-		80-120	-		
Antimony, Total	89		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	96		-		80-120	-		
Beryllium, Total	97		-		80-120	-		
Cadmium, Total	99		-		80-120	-		
Calcium, Total	89		-		80-120	-		
Chromium, Total	99		-		80-120	-		
Cobalt, Total	98		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	100		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	101		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	95		-		80-120	-		
Potassium, Total	98		-		80-120	-		
Selenium, Total	103		-		80-120	-		
Silver, Total	101		-		80-120	-		
Sodium, Total	99		-		80-120	-		
Thallium, Total	122	Q	-		80-120	-		
Vanadium, Total	97		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1539639-2					
Zinc, Total	103	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1539642-2					
Mercury, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1539672-2					
Aluminum, Dissolved	101	-	80-120	-	
Antimony, Dissolved	97	-	80-120	-	
Arsenic, Dissolved	107	-	80-120	-	
Barium, Dissolved	104	-	80-120	-	
Beryllium, Dissolved	109	-	80-120	-	
Cadmium, Dissolved	107	-	80-120	-	
Calcium, Dissolved	94	-	80-120	-	
Chromium, Dissolved	103	-	80-120	-	
Cobalt, Dissolved	106	-	80-120	-	
Copper, Dissolved	107	-	80-120	-	
Iron, Dissolved	105	-	80-120	-	
Lead, Dissolved	108	-	80-120	-	
Magnesium, Dissolved	109	-	80-120	-	
Manganese, Dissolved	101	-	80-120	-	
Nickel, Dissolved	99	-	80-120	-	
Potassium, Dissolved	110	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	107	-	80-120	-	
Sodium, Dissolved	109	-	80-120	-	
Thallium, Dissolved	110	-	80-120	-	
Vanadium, Dissolved	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1539672-2					
Zinc, Dissolved	107	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1539673-2					
Mercury, Dissolved	91	-	80-120	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539639-3 QC Sample: L2145713-01 Client ID: MS Sample												
Aluminum, Total	0.062	2	2.04	99		-	-		75-125	-		20
Antimony, Total	0.0034J	0.5	0.4638	93		-	-		75-125	-		20
Arsenic, Total	0.00387	0.12	0.1181	95		-	-		75-125	-		20
Barium, Total	0.02061	2	1.950	96		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.04926	98		-	-		75-125	-		20
Cadmium, Total	0.00077	0.053	0.05407	100		-	-		75-125	-		20
Calcium, Total	22.7	10	32.0	93		-	-		75-125	-		20
Chromium, Total	0.00777	0.2	0.2065	99		-	-		75-125	-		20
Cobalt, Total	0.0007	0.5	0.4809	96		-	-		75-125	-		20
Copper, Total	0.1004	0.25	0.3478	99		-	-		75-125	-		20
Iron, Total	0.556	1	1.52	96		-	-		75-125	-		20
Lead, Total	0.00192	0.53	0.5290	99		-	-		75-125	-		20
Magnesium, Total	3.80	10	14.0	102		-	-		75-125	-		20
Manganese, Total	0.0363	0.5	0.5280	98		-	-		75-125	-		20
Nickel, Total	0.0076	0.5	0.4728	93		-	-		75-125	-		20
Potassium, Total	14.5	10	24.4	99		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.126	105		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05043	101		-	-		75-125	-		20
Sodium, Total	66.9	10	79.6	127	Q	-	-		75-125	-		20
Thallium, Total	0.0006J	0.12	0.1424	119		-	-		75-125	-		20
Vanadium, Total	0.0047J	0.5	0.4876	98		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539639-3 QC Sample: L2145713-01 Client ID: MS Sample									
Zinc, Total	0.2121	0.5	0.7424	106	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539642-3 QC Sample: L2145713-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00429	86	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Number: L2145698
Report Date: 09/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539672-3 WG1539672-4 QC Sample: L2145461-01 Client ID: MS Sample									
Antimony, Dissolved	0.00048J	0.5	0.5044	101	0.5034	101	75-125	0	20
Arsenic, Dissolved	0.00037J	0.12	0.1326	110	0.1335	111	75-125	1	20
Barium, Dissolved	0.07405	2	2.151	104	2.154	104	75-125	0	20
Beryllium, Dissolved	ND	0.05	0.05391	108	0.05539	111	75-125	3	20
Cadmium, Dissolved	ND	0.053	0.05666	107	0.05680	107	75-125	0	20
Calcium, Dissolved	18.7	10	26.2	75	27.8	91	75-125	6	20
Chromium, Dissolved	0.00064J	0.2	0.2098	105	0.2074	104	75-125	1	20
Cobalt, Dissolved	ND	0.5	0.5253	105	0.5308	106	75-125	1	20
Copper, Dissolved	0.00053J	0.25	0.2621	105	0.2693	108	75-125	3	20
Iron, Dissolved	0.421	1	1.44	102	1.43	101	75-125	1	20
Lead, Dissolved	ND	0.53	0.5744	108	0.5771	109	75-125	0	20
Magnesium, Dissolved	6.53	10	17.4	109	17.2	107	75-125	1	20
Manganese, Dissolved	0.09104	0.5	0.6083	103	0.5998	102	75-125	1	20
Nickel, Dissolved	0.00129J	0.5	0.5058	101	0.5132	103	75-125	1	20
Selenium, Dissolved	ND	0.12	0.118	98	0.131	109	75-125	10	20
Silver, Dissolved	ND	0.05	0.05381	108	0.05394	108	75-125	0	20
Sodium, Dissolved	5.92	10	16.8	109	16.0	101	75-125	5	20
Thallium, Dissolved	ND	0.12	0.1314	110	0.1328	111	75-125	1	20
Vanadium, Dissolved	ND	0.5	0.5210	104	0.5211	104	75-125	0	20
Zinc, Dissolved	0.00341J	0.5	0.5522	110	0.5595	112	75-125	1	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE.

Project Number: 0201831-000

Lab Number: L2145698

Report Date: 09/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539673-3 WG1539673-4 QC Sample: L2145461-01 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00473	95	0.00471	94	75-125	0	20

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2145698
Report Date: 09/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539639-4 QC Sample: L2145713-01 Client ID: DUP Sample						
Arsenic, Total	0.00387	0.00413	mg/l	7		20
Barium, Total	0.02061	0.02171	mg/l	5		20
Cadmium, Total	0.00077	0.00084	mg/l	9		20
Chromium, Total	0.00777	0.00844	mg/l	8		20
Lead, Total	0.00192	0.00194	mg/l	1		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539642-4 QC Sample: L2145713-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2145698
Report Date: 09/08/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1539672-6 QC Sample: L2145461-01 Client ID: DUP Sample						
Barium, Dissolved	0.07405	0.07535	mg/l	2		20
Calcium, Dissolved	18.7	18.5	mg/l	1		20
Magnesium, Dissolved	6.53	6.65	mg/l	2		20
Manganese, Dissolved	0.09104	0.09174	mg/l	1		20
Sodium, Dissolved	5.92	5.89	mg/l	1		20

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Serial_No:09082112:09
Lab Number: L2145698
Report Date: 09/08/21

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145698-01A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260(14)
L2145698-01B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260(14)
L2145698-01C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260(14)
L2145698-01D	Plastic 250ml unpreserved	B	NA		2.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2145698-01E	Plastic 250ml unpreserved	B	NA		2.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2145698-01F	Plastic 250ml unpreserved	B	7	7	2.7	Y	Absent		-
L2145698-01G	Plastic 250ml HNO3 preserved	B	<2	<2	2.7	Y	Absent		SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2145698-01H	Amber 120ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2145698-01I	Amber 120ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2145698-01J	Amber 120ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2145698-01K	Amber 120ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2145698-01L	Amber 250ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2145698-01M	Amber 250ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2145698-01N	Amber 250ml unpreserved	B	7	7	2.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2145698-01O	Amber 250ml unpreserved	B	7	7	2.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Serial_No:09082112:09
Lab Number: L2145698
Report Date: 09/08/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145698-01X	Plastic 120ml HNO3 preserved Filtrates	B	NA		2.7	Y	Absent		SE-6020S(180),CU-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),NI-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)

Project Name: 352-362 SHEPHERD AVE.
Project Number: 0201831-000

Serial_No:09082112:09
Lab Number: L2145698
Report Date: 09/08/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSA's)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESA's)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCA's)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**Footnotes**

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 352-362 SHEPHERD AVE.**Lab Number:** L2145698**Project Number:** 0201831-000**Report Date:** 09/08/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



ANALYTICAL REPORT

Lab Number:	L2145699
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	352-362 SHEPERD AVE
Project Number:	0201831-000
Report Date:	09/06/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2145699-01	SB-2 (0-2')	SOIL	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 09:17	08/25/21
L2145699-02	SB-2 (10-12')	SOIL	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 09:22	08/25/21
L2145699-03	SB-6 (0-2')	SOIL	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 13:35	08/25/21
L2145699-04	SB-6 (10-12')	SOIL	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 13:40	08/25/21
L2145699-05	SB-5 (0-2')	SOIL	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 12:50	08/25/21
L2145699-06	SB-5 (10-12')	SOIL	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 12:55	08/25/21
L2145699-07	SB-1 (0-2')	SOIL	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 14:12	08/25/21
L2145699-08	SB-1 (10-12')	SOIL	352-362 SHEPERD AVE BROOKLYN, NY	08/25/21 14:16	08/25/21

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2145699-01: The sample was received in an appropriate container (vials) for the Volatile Organics by EPA Method 5035/8260 analysis; however, it could not be used for analysis; first low was a bad purge and second low was empty. With the client's authorization, a sample aliquot was taken from an unpreserved container (jar) and preserved appropriately. Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications. A High Level analysis was performed and is reported.

Perfluorinated Alkyl Acids by Isotope Dilution

L2145699-06, WG1539386-1 and WG1539386-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details. The WG1539386-2 LCS recovery, associated with L2145699-06, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (143%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

Pesticides

L2145699-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2145699-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

L2145699-01: The sample has an elevated detection limit for mercury due to the dilution required to quantitate the result within the calibration range.

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Case Narrative (continued)

The WG1539504-1 Method Blank, associated with L2145699-01 through -08, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

The WG1539504-3 MS recoveries for aluminum (679%), barium (0%), iron (0%) and lead (409%), performed on L2145699-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1539504-3 MS recoveries, performed on L2145699-01, are outside the acceptance criteria for calcium (287%), chromium (70%) and magnesium (176%). A post digestion spike was performed and was within acceptance criteria.

The WG1539504-4 Laboratory Duplicate RPDs for barium (22%), silver (37%) and lead (27%), performed on L2145699-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 09/06/21

ORGANICS

VOLATILES

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-01
 Client ID: SB-2 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 09:17
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/30/21 12:53
 Analyst: AJK
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	110	1
1,1-Dichloroethane	ND		ug/kg	49	7.2	1
Chloroform	ND		ug/kg	74	6.9	1
Carbon tetrachloride	ND		ug/kg	49	11.	1
1,2-Dichloropropane	ND		ug/kg	49	6.2	1
Dibromochloromethane	ND		ug/kg	49	6.9	1
1,1,2-Trichloroethane	ND		ug/kg	49	13.	1
Tetrachloroethene	ND		ug/kg	25	9.7	1
Chlorobenzene	ND		ug/kg	25	6.3	1
Trichlorofluoromethane	ND		ug/kg	200	34.	1
1,2-Dichloroethane	ND		ug/kg	49	13.	1
1,1,1-Trichloroethane	ND		ug/kg	25	8.3	1
Bromodichloromethane	ND		ug/kg	25	5.4	1
trans-1,3-Dichloropropene	ND		ug/kg	49	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	7.8	1
1,3-Dichloropropene, Total	ND		ug/kg	25	7.8	1
1,1-Dichloropropene	ND		ug/kg	25	7.9	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.2	1
Benzene	ND		ug/kg	25	8.2	1
Toluene	ND		ug/kg	49	27.	1
Ethylbenzene	ND		ug/kg	49	7.0	1
Chloromethane	ND		ug/kg	200	46.	1
Bromomethane	ND		ug/kg	99	29.	1
Vinyl chloride	ND		ug/kg	49	16.	1
Chloroethane	ND		ug/kg	99	22.	1
1,1-Dichloroethene	ND		ug/kg	49	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	74	6.8	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-01**Date Collected:** 08/25/21 09:17**Client ID:** SB-2 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	6.8	1
1,2-Dichlorobenzene	ND		ug/kg	99	7.1	1
1,3-Dichlorobenzene	ND		ug/kg	99	7.3	1
1,4-Dichlorobenzene	ND		ug/kg	99	8.4	1
Methyl tert butyl ether	ND		ug/kg	99	9.9	1
p/m-Xylene	ND		ug/kg	99	28.	1
o-Xylene	ND		ug/kg	49	14.	1
Xylenes, Total	ND		ug/kg	49	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	49	8.6	1
1,2-Dichloroethene, Total	ND		ug/kg	49	6.8	1
Dibromomethane	ND		ug/kg	99	12.	1
Styrene	ND		ug/kg	49	9.7	1
Dichlorodifluoromethane	ND		ug/kg	490	45.	1
Acetone	ND		ug/kg	490	240	1
Carbon disulfide	ND		ug/kg	490	220	1
2-Butanone	ND		ug/kg	490	110	1
Vinyl acetate	ND		ug/kg	490	110	1
4-Methyl-2-pentanone	ND		ug/kg	490	63.	1
1,2,3-Trichloropropane	ND		ug/kg	99	6.3	1
2-Hexanone	ND		ug/kg	490	58.	1
Bromochloromethane	ND		ug/kg	99	10.	1
2,2-Dichloropropane	ND		ug/kg	99	10.	1
1,2-Dibromoethane	ND		ug/kg	49	14.	1
1,3-Dichloropropane	ND		ug/kg	99	8.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.5	1
Bromobenzene	ND		ug/kg	99	7.2	1
n-Butylbenzene	ND		ug/kg	49	8.3	1
sec-Butylbenzene	ND		ug/kg	49	7.2	1
tert-Butylbenzene	ND		ug/kg	99	5.8	1
o-Chlorotoluene	ND		ug/kg	99	9.4	1
p-Chlorotoluene	ND		ug/kg	99	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	49.	1
Hexachlorobutadiene	ND		ug/kg	200	8.4	1
Isopropylbenzene	ND		ug/kg	49	5.4	1
p-Isopropyltoluene	ND		ug/kg	49	5.4	1
Naphthalene	ND		ug/kg	200	32.	1
Acrylonitrile	ND		ug/kg	200	57.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-01**Date Collected:** 08/25/21 09:17**Client ID:** SB-2 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	49	8.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	99	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	99	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	99	9.5	1
1,2,4-Trimethylbenzene	ND		ug/kg	99	16.	1
1,4-Dioxane	ND		ug/kg	4000	1700	1
p-Diethylbenzene	ND		ug/kg	99	8.8	1
p-Ethyltoluene	ND		ug/kg	99	19.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	99	9.4	1
Ethyl ether	ND		ug/kg	99	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	70.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	115		70-130

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-01
 Client ID: SB-2 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 09:17
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/31/21 12:18
 Analyst: NLK
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-01**Date Collected:** 08/25/21 09:17**Client ID:** SB-2 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.20	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-01**Date Collected:** 08/25/21 09:17**Client ID:** SB-2 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.20	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-02
 Client ID: SB-2 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 09:22
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/28/21 17:16
 Analyst: AJK
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	0.94	J	ug/kg	1.1	0.59	1
Ethylbenzene	0.17	J	ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-02**Date Collected:** 08/25/21 09:22**Client ID:** SB-2 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	0.88	J	ug/kg	1.1	0.32	1
Xylenes, Total	0.88	J	ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-02**Date Collected:** 08/25/21 09:22**Client ID:** SB-2 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	108		70-130

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-03
 Client ID: SB-6 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 13:35
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/28/21 17:41
 Analyst: AJK
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-03**Date Collected:** 08/25/21 13:35**Client ID:** SB-6 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	0.72	J	ug/kg	1.1	0.31	1
Xylenes, Total	0.72	J	ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-03**Date Collected:** 08/25/21 13:35**Client ID:** SB-6 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	105		70-130

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-04
 Client ID: SB-6 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 13:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/28/21 18:06
 Analyst: AJK
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-04**Date Collected:** 08/25/21 13:40**Client ID:** SB-6 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	0.76	J	ug/kg	1.1	0.33	1
Xylenes, Total	0.76	J	ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-04**Date Collected:** 08/25/21 13:40**Client ID:** SB-6 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.38	1
1,4-Dioxane	ND		ug/kg	90	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	108		70-130

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-05
 Client ID: SB-5 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:50
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/28/21 18:31
 Analyst: AJK
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	12	5.4	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.34	1
Chloroform	ND		ug/kg	3.5	0.33	1
Carbon tetrachloride	ND		ug/kg	2.4	0.54	1
1,2-Dichloropropane	ND		ug/kg	2.4	0.29	1
Dibromochloromethane	ND		ug/kg	2.4	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.63	1
Tetrachloroethene	ND		ug/kg	1.2	0.46	1
Chlorobenzene	ND		ug/kg	1.2	0.30	1
Trichlorofluoromethane	ND		ug/kg	9.4	1.6	1
1,2-Dichloroethane	ND		ug/kg	2.4	0.60	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.39	1
Bromodichloromethane	ND		ug/kg	1.2	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	2.4	0.64	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.37	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.37	1
1,1-Dichloropropene	ND		ug/kg	1.2	0.37	1
Bromoform	ND		ug/kg	9.4	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Benzene	ND		ug/kg	1.2	0.39	1
Toluene	ND		ug/kg	2.4	1.3	1
Ethylbenzene	ND		ug/kg	2.4	0.33	1
Chloromethane	ND		ug/kg	9.4	2.2	1
Bromomethane	ND		ug/kg	4.7	1.4	1
Vinyl chloride	ND		ug/kg	2.4	0.79	1
Chloroethane	ND		ug/kg	4.7	1.1	1
1,1-Dichloroethene	ND		ug/kg	2.4	0.56	1
trans-1,2-Dichloroethene	ND		ug/kg	3.5	0.32	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-05**Date Collected:** 08/25/21 12:50**Client ID:** SB-5 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.34	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.35	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.40	1
Methyl tert butyl ether	ND		ug/kg	4.7	0.47	1
p/m-Xylene	ND		ug/kg	4.7	1.3	1
o-Xylene	ND		ug/kg	2.4	0.68	1
Xylenes, Total	ND		ug/kg	2.4	0.68	1
cis-1,2-Dichloroethene	ND		ug/kg	2.4	0.41	1
1,2-Dichloroethene, Total	ND		ug/kg	2.4	0.32	1
Dibromomethane	ND		ug/kg	4.7	0.56	1
Styrene	ND		ug/kg	2.4	0.46	1
Dichlorodifluoromethane	ND		ug/kg	24	2.2	1
Acetone	26		ug/kg	24	11.	1
Carbon disulfide	ND		ug/kg	24	11.	1
2-Butanone	ND		ug/kg	24	5.2	1
Vinyl acetate	ND		ug/kg	24	5.1	1
4-Methyl-2-pentanone	ND		ug/kg	24	3.0	1
1,2,3-Trichloropropane	ND		ug/kg	4.7	0.30	1
2-Hexanone	ND		ug/kg	24	2.8	1
Bromochloromethane	ND		ug/kg	4.7	0.48	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.48	1
1,2-Dibromoethane	ND		ug/kg	2.4	0.66	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.39	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.31	1
Bromobenzene	ND		ug/kg	4.7	0.34	1
n-Butylbenzene	ND		ug/kg	2.4	0.39	1
sec-Butylbenzene	ND		ug/kg	2.4	0.34	1
tert-Butylbenzene	ND		ug/kg	4.7	0.28	1
o-Chlorotoluene	ND		ug/kg	4.7	0.45	1
p-Chlorotoluene	ND		ug/kg	4.7	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.1	2.4	1
Hexachlorobutadiene	ND		ug/kg	9.4	0.40	1
Isopropylbenzene	ND		ug/kg	2.4	0.26	1
p-Isopropyltoluene	ND		ug/kg	2.4	0.26	1
Naphthalene	ND		ug/kg	9.4	1.5	1
Acrylonitrile	ND		ug/kg	9.4	2.7	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-05**Date Collected:** 08/25/21 12:50**Client ID:** SB-5 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.4	0.40	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.76	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.64	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.45	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.79	1
1,4-Dioxane	ND		ug/kg	190	83.	1
p-Diethylbenzene	ND		ug/kg	4.7	0.42	1
p-Ethyltoluene	ND		ug/kg	4.7	0.90	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.45	1
Ethyl ether	ND		ug/kg	4.7	0.80	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	104		70-130

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-06
 Client ID: SB-5 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:55
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/28/21 18:56
 Analyst: AJK
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.86	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	5.0	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	ND		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-06**Date Collected:** 08/25/21 12:55**Client ID:** SB-5 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.8	1
Vinyl acetate	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.0	0.81	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-06**Date Collected:** 08/25/21 12:55**Client ID:** SB-5 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	99	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	108		70-130

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-07
 Client ID: SB-1 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 14:12
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/28/21 19:21
 Analyst: AJK
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-07**Date Collected:** 08/25/21 14:12**Client ID:** SB-1 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.2	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-07**Date Collected:** 08/25/21 14:12**Client ID:** SB-1 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	109		70-130

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-08
 Client ID: SB-1 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 14:16
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/30/21 15:25
 Analyst: AJK
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-08**Date Collected:** 08/25/21 14:16**Client ID:** SB-1 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-08**Date Collected:** 08/25/21 14:16**Client ID:** SB-1 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/28/21 11:02
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-07 Batch: WG1540495-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/28/21 11:02
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-07 Batch: WG1540495-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	0.68	J	ug/kg	1.0	0.29
Xylenes, Total	0.68	J	ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.71	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	3.1	J	ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/21 11:02
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-07 Batch: WG1540495-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	0.69	J	ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	98		70-130

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/30/21 09:07
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1540849-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/30/21 09:07
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1540849-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/21 09:07
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1540849-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/30/21 11:35
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1541213-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/30/21 11:35
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1541213-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/21 11:35
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1541213-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	112		70-130

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/31/21 08:22

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1541251-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/31/21 08:22

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1541251-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/21 08:22
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1541251-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-07 Batch: WG1540495-3 WG1540495-4								
Methylene chloride	88		85		70-130	3		30
1,1-Dichloroethane	99		96		70-130	3		30
Chloroform	85		82		70-130	4		30
Carbon tetrachloride	84		82		70-130	2		30
1,2-Dichloropropane	101		97		70-130	4		30
Dibromochloromethane	94		90		70-130	4		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	86		83		70-130	4		30
Chlorobenzene	87		86		70-130	1		30
Trichlorofluoromethane	58	Q	55	Q	70-139	5		30
1,2-Dichloroethane	96		92		70-130	4		30
1,1,1-Trichloroethane	90		86		70-130	5		30
Bromodichloromethane	94		89		70-130	5		30
trans-1,3-Dichloropropene	102		98		70-130	4		30
cis-1,3-Dichloropropene	107		102		70-130	5		30
1,1-Dichloropropene	97		93		70-130	4		30
Bromoform	90		85		70-130	6		30
1,1,2,2-Tetrachloroethane	97		93		70-130	4		30
Benzene	96		93		70-130	3		30
Toluene	85		83		70-130	2		30
Ethylbenzene	91		89		70-130	2		30
Chloromethane	120		114		52-130	5		30
Bromomethane	57		54	Q	57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-07 Batch: WG1540495-3 WG1540495-4								
Vinyl chloride	82		78		67-130	5		30
Chloroethane	64		62		50-151	3		30
1,1-Dichloroethene	97		94		65-135	3		30
trans-1,2-Dichloroethene	94		91		70-130	3		30
Trichloroethene	93		90		70-130	3		30
1,2-Dichlorobenzene	89		88		70-130	1		30
1,3-Dichlorobenzene	88		86		70-130	2		30
1,4-Dichlorobenzene	86		85		70-130	1		30
Methyl tert butyl ether	108		102		66-130	6		30
p/m-Xylene	92		90		70-130	2		30
o-Xylene	82		80		70-130	2		30
cis-1,2-Dichloroethene	93		90		70-130	3		30
Dibromomethane	91		86		70-130	6		30
Styrene	82		80		70-130	2		30
Dichlorodifluoromethane	86		82		30-146	5		30
Acetone	125		114		54-140	9		30
Carbon disulfide	90		86		59-130	5		30
2-Butanone	123		118		70-130	4		30
Vinyl acetate	113		107		70-130	5		30
4-Methyl-2-pentanone	114		106		70-130	7		30
1,2,3-Trichloropropane	98		93		68-130	5		30
2-Hexanone	127		118		70-130	7		30
Bromochloromethane	91		88		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-07 Batch: WG1540495-3 WG1540495-4								
2,2-Dichloropropane	98		93		70-130	5		30
1,2-Dibromoethane	99		94		70-130	5		30
1,3-Dichloropropane	97		93		69-130	4		30
1,1,1,2-Tetrachloroethane	89		88		70-130	1		30
Bromobenzene	88		86		70-130	2		30
n-Butylbenzene	92		91		70-130	1		30
sec-Butylbenzene	91		89		70-130	2		30
tert-Butylbenzene	92		89		70-130	3		30
o-Chlorotoluene	106		104		70-130	2		30
p-Chlorotoluene	96		94		70-130	2		30
1,2-Dibromo-3-chloropropane	98		92		68-130	6		30
Hexachlorobutadiene	85		82		67-130	4		30
Isopropylbenzene	93		92		70-130	1		30
p-Isopropyltoluene	94		92		70-130	2		30
Naphthalene	99		95		70-130	4		30
Acrylonitrile	120		113		70-130	6		30
n-Propylbenzene	93		91		70-130	2		30
1,2,3-Trichlorobenzene	96		94		70-130	2		30
1,2,4-Trichlorobenzene	94		92		70-130	2		30
1,3,5-Trimethylbenzene	93		92		70-130	1		30
1,2,4-Trimethylbenzene	97		94		70-130	3		30
1,4-Dioxane	107		102		65-136	5		30
p-Diethylbenzene	95		93		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-07 Batch: WG1540495-3 WG1540495-4								
p-Ethyltoluene	95		93		70-130	2		30
1,2,4,5-Tetramethylbenzene	87		86		70-130	1		30
Ethyl ether	105		99		67-130	6		30
trans-1,4-Dichloro-2-butene	112		106		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	102		104		70-130
4-Bromofluorobenzene	115		114		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1540849-3 WG1540849-4								
Methylene chloride	105		102		70-130	3		30
1,1-Dichloroethane	117		114		70-130	3		30
Chloroform	104		101		70-130	3		30
Carbon tetrachloride	113		112		70-130	1		30
1,2-Dichloropropane	109		108		70-130	1		30
Dibromochloromethane	111		113		70-130	2		30
1,1,2-Trichloroethane	109		109		70-130	0		30
Tetrachloroethene	113		109		70-130	4		30
Chlorobenzene	109		106		70-130	3		30
Trichlorofluoromethane	125		117		70-139	7		30
1,2-Dichloroethane	117		116		70-130	1		30
1,1,1-Trichloroethane	121		119		70-130	2		30
Bromodichloromethane	109		110		70-130	1		30
trans-1,3-Dichloropropene	115		114		70-130	1		30
cis-1,3-Dichloropropene	110		109		70-130	1		30
1,1-Dichloropropene	114		112		70-130	2		30
Bromoform	104		106		70-130	2		30
1,1,2,2-Tetrachloroethane	108		107		70-130	1		30
Benzene	105		103		70-130	2		30
Toluene	107		104		70-130	3		30
Ethylbenzene	108		106		70-130	2		30
Chloromethane	122		114		52-130	7		30
Bromomethane	119		111		57-147	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1540849-3 WG1540849-4								
Vinyl chloride	120		112		67-130	7		30
Chloroethane	122		114		50-151	7		30
1,1-Dichloroethene	106		102		65-135	4		30
trans-1,2-Dichloroethene	107		104		70-130	3		30
Trichloroethene	112		110		70-130	2		30
1,2-Dichlorobenzene	105		103		70-130	2		30
1,3-Dichlorobenzene	106		104		70-130	2		30
1,4-Dichlorobenzene	106		103		70-130	3		30
Methyl tert butyl ether	98		97		66-130	1		30
p/m-Xylene	109		107		70-130	2		30
o-Xylene	112		110		70-130	2		30
cis-1,2-Dichloroethene	104		99		70-130	5		30
Dibromomethane	100		103		70-130	3		30
Styrene	112		110		70-130	2		30
Dichlorodifluoromethane	111		104		30-146	7		30
Acetone	106		111		54-140	5		30
Carbon disulfide	109		104		59-130	5		30
2-Butanone	107		110		70-130	3		30
Vinyl acetate	118		117		70-130	1		30
4-Methyl-2-pentanone	92		97		70-130	5		30
1,2,3-Trichloropropane	105		106		68-130	1		30
2-Hexanone	104		110		70-130	6		30
Bromochloromethane	101		98		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1540849-3 WG1540849-4								
2,2-Dichloropropane	112		108		70-130	4		30
1,2-Dibromoethane	107		106		70-130	1		30
1,3-Dichloropropane	106		105		69-130	1		30
1,1,1,2-Tetrachloroethane	110		110		70-130	0		30
Bromobenzene	102		100		70-130	2		30
n-Butylbenzene	118		114		70-130	3		30
sec-Butylbenzene	109		106		70-130	3		30
tert-Butylbenzene	108		106		70-130	2		30
o-Chlorotoluene	108		106		70-130	2		30
p-Chlorotoluene	110		107		70-130	3		30
1,2-Dibromo-3-chloropropane	93		97		68-130	4		30
Hexachlorobutadiene	109		105		67-130	4		30
Isopropylbenzene	110		106		70-130	4		30
p-Isopropyltoluene	109		106		70-130	3		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	103		103		70-130	0		30
n-Propylbenzene	110		106		70-130	4		30
1,2,3-Trichlorobenzene	104		102		70-130	2		30
1,2,4-Trichlorobenzene	106		104		70-130	2		30
1,3,5-Trimethylbenzene	108		105		70-130	3		30
1,2,4-Trimethylbenzene	111		108		70-130	3		30
1,4-Dioxane	89		90		65-136	1		30
p-Diethylbenzene	109		105		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1540849-3 WG1540849-4								
p-Ethyltoluene	114		110		70-130	4		30
1,2,4,5-Tetramethylbenzene	108		104		70-130	4		30
Ethyl ether	114		111		67-130	3		30
trans-1,4-Dichloro-2-butene	120		120		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		117		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	106		106		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1541213-3 WG1541213-4								
Methylene chloride	90		89		70-130	1		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	92		90		70-130	2		30
Carbon tetrachloride	99		97		70-130	2		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	91		90		70-130	1		30
1,1,2-Trichloroethane	88		87		70-130	1		30
Tetrachloroethene	92		87		70-130	6		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	89		84		70-139	6		30
1,2-Dichloroethane	95		95		70-130	0		30
1,1,1-Trichloroethane	98		96		70-130	2		30
Bromodichloromethane	92		92		70-130	0		30
trans-1,3-Dichloropropene	100		99		70-130	1		30
cis-1,3-Dichloropropene	88		88		70-130	0		30
1,1-Dichloropropene	88		86		70-130	2		30
Bromoform	92		90		70-130	2		30
1,1,2,2-Tetrachloroethane	90		89		70-130	1		30
Benzene	80		78		70-130	3		30
Toluene	83		80		70-130	4		30
Ethylbenzene	87		85		70-130	2		30
Chloromethane	84		80		52-130	5		30
Bromomethane	60		56	Q	57-147	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1541213-3 WG1541213-4								
Vinyl chloride	55	Q	52	Q	67-130	6		30
Chloroethane	50		46	Q	50-151	8		30
1,1-Dichloroethene	81		78		65-135	4		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	91		89		70-130	2		30
1,2-Dichlorobenzene	86		84		70-130	2		30
1,3-Dichlorobenzene	87		84		70-130	4		30
1,4-Dichlorobenzene	85		82		70-130	4		30
Methyl tert butyl ether	90		91		66-130	1		30
p/m-Xylene	84		80		70-130	5		30
o-Xylene	87		84		70-130	4		30
cis-1,2-Dichloroethene	82		80		70-130	2		30
Dibromomethane	85		86		70-130	1		30
Styrene	85		83		70-130	2		30
Dichlorodifluoromethane	36		33		30-146	9		30
Acetone	115		108		54-140	6		30
Carbon disulfide	79		75		59-130	5		30
2-Butanone	112		118		70-130	5		30
Vinyl acetate	92		88		70-130	4		30
4-Methyl-2-pentanone	102		104		70-130	2		30
1,2,3-Trichloropropane	86		86		68-130	0		30
2-Hexanone	106		111		70-130	5		30
Bromochloromethane	85		85		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1541213-3 WG1541213-4								
2,2-Dichloropropane	96		94		70-130	2		30
1,2-Dibromoethane	85		85		70-130	0		30
1,3-Dichloropropane	87		87		69-130	0		30
1,1,1,2-Tetrachloroethane	88		86		70-130	2		30
Bromobenzene	86		82		70-130	5		30
n-Butylbenzene	97		92		70-130	5		30
sec-Butylbenzene	91		87		70-130	4		30
tert-Butylbenzene	92		88		70-130	4		30
o-Chlorotoluene	90		87		70-130	3		30
p-Chlorotoluene	90		87		70-130	3		30
1,2-Dibromo-3-chloropropane	94		98		68-130	4		30
Hexachlorobutadiene	90		87		67-130	3		30
Isopropylbenzene	88		84		70-130	5		30
p-Isopropyltoluene	94		90		70-130	4		30
Naphthalene	92		94		70-130	2		30
Acrylonitrile	117		121		70-130	3		30
n-Propylbenzene	90		85		70-130	6		30
1,2,3-Trichlorobenzene	90		90		70-130	0		30
1,2,4-Trichlorobenzene	90		89		70-130	1		30
1,3,5-Trimethylbenzene	92		88		70-130	4		30
1,2,4-Trimethylbenzene	96		92		70-130	4		30
1,4-Dioxane	63	Q	69		65-136	9		30
p-Diethylbenzene	94		90		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1541213-3 WG1541213-4								
p-Ethyltoluene	97		93		70-130	4		30
1,2,4,5-Tetramethylbenzene	101		96		70-130	5		30
Ethyl ether	98		96		67-130	2		30
trans-1,4-Dichloro-2-butene	117		119		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		115		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	111		106		70-130
Dibromofluoromethane	110		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1541251-3 WG1541251-4								
Methylene chloride	78		88		70-130	12		30
1,1-Dichloroethane	82		92		70-130	11		30
Chloroform	82		91		70-130	10		30
Carbon tetrachloride	87		96		70-130	10		30
1,2-Dichloropropane	83		92		70-130	10		30
Dibromochloromethane	95		105		70-130	10		30
1,1,2-Trichloroethane	92		101		70-130	9		30
Tetrachloroethene	94		104		70-130	10		30
Chlorobenzene	91		100		70-130	9		30
Trichlorofluoromethane	90		100		70-139	11		30
1,2-Dichloroethane	85		94		70-130	10		30
1,1,1-Trichloroethane	85		95		70-130	11		30
Bromodichloromethane	85		94		70-130	10		30
trans-1,3-Dichloropropene	92		101		70-130	9		30
cis-1,3-Dichloropropene	86		98		70-130	13		30
1,1-Dichloropropene	86		95		70-130	10		30
Bromoform	97		106		70-130	9		30
1,1,2,2-Tetrachloroethane	92		102		70-130	10		30
Benzene	83		92		70-130	10		30
Toluene	86		95		70-130	10		30
Ethylbenzene	89		97		70-130	9		30
Chloromethane	71		80		52-130	12		30
Bromomethane	83		92		57-147	10		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1541251-3 WG1541251-4								
Vinyl chloride	78		88		67-130	12		30
Chloroethane	84		93		50-151	10		30
1,1-Dichloroethene	83		92		65-135	10		30
trans-1,2-Dichloroethene	84		93		70-130	10		30
Trichloroethene	85		94		70-130	10		30
1,2-Dichlorobenzene	95		105		70-130	10		30
1,3-Dichlorobenzene	96		107		70-130	11		30
1,4-Dichlorobenzene	94		105		70-130	11		30
Methyl tert butyl ether	82		91		66-130	10		30
p/m-Xylene	92		100		70-130	8		30
o-Xylene	90		100		70-130	11		30
cis-1,2-Dichloroethene	84		93		70-130	10		30
Dibromomethane	87		98		70-130	12		30
Styrene	91		102		70-130	11		30
Dichlorodifluoromethane	58		67		30-146	14		30
Acetone	99		106		54-140	7		30
Carbon disulfide	71		79		59-130	11		30
2-Butanone	70		78		70-130	11		30
Vinyl acetate	80		90		70-130	12		30
4-Methyl-2-pentanone	90		97		70-130	7		30
1,2,3-Trichloropropane	91		100		68-130	9		30
2-Hexanone	90		95		70-130	5		30
Bromochloromethane	86		97		70-130	12		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1541251-3 WG1541251-4								
2,2-Dichloropropane	84		94		70-130	11		30
1,2-Dibromoethane	88		96		70-130	9		30
1,3-Dichloropropane	90		100		69-130	11		30
1,1,1,2-Tetrachloroethane	92		102		70-130	10		30
Bromobenzene	94		105		70-130	11		30
n-Butylbenzene	98		107		70-130	9		30
sec-Butylbenzene	93		102		70-130	9		30
tert-Butylbenzene	92		102		70-130	10		30
o-Chlorotoluene	90		99		70-130	10		30
p-Chlorotoluene	89		99		70-130	11		30
1,2-Dibromo-3-chloropropane	84		90		68-130	7		30
Hexachlorobutadiene	101		110		67-130	9		30
Isopropylbenzene	92		102		70-130	10		30
p-Isopropyltoluene	97		106		70-130	9		30
Naphthalene	97		106		70-130	9		30
Acrylonitrile	79		88		70-130	11		30
n-Propylbenzene	93		102		70-130	9		30
1,2,3-Trichlorobenzene	102		112		70-130	9		30
1,2,4-Trichlorobenzene	106		116		70-130	9		30
1,3,5-Trimethylbenzene	91		101		70-130	10		30
1,2,4-Trimethylbenzene	93		102		70-130	9		30
1,4-Dioxane	91		105		65-136	14		30
p-Diethylbenzene	100		109		70-130	9		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1541251-3 WG1541251-4								
p-Ethyltoluene	94		104		70-130	10		30
1,2,4,5-Tetramethylbenzene	98		107		70-130	9		30
Ethyl ether	83		92		67-130	10		30
trans-1,4-Dichloro-2-butene	96		103		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-01
 Client ID: SB-2 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 09:17
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/28/21 06:47
 Analyst: SZ
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	220		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	6400		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	370		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-01**Date Collected:** 08/25/21 09:17**Client ID:** SB-2 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	2700		ug/kg	110	20.	1
Benzo(a)pyrene	3400		ug/kg	140	44.	1
Benzo(b)fluoranthene	4600		ug/kg	110	30.	1
Benzo(k)fluoranthene	1200		ug/kg	110	29.	1
Chrysene	3200		ug/kg	110	19.	1
Acenaphthylene	270		ug/kg	140	28.	1
Anthracene	480		ug/kg	110	35.	1
Benzo(ghi)perylene	2400		ug/kg	140	21.	1
Fluorene	180		ug/kg	180	18.	1
Phenanthrene	3800		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	520		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2700		ug/kg	140	25.	1
Pyrene	6000		ug/kg	110	18.	1
Biphenyl	48	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	200		ug/kg	180	17.	1
2-Methylnaphthalene	110	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	47	J	ug/kg	260	28.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-01**Date Collected:** 08/25/21 09:17**Client ID:** SB-2 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	460		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	63		18-120

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-02
 Client ID: SB-2 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 09:22
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/28/21 00:07
 Analyst: SZ
 Percent Solids: 96%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-02**Date Collected:** 08/25/21 09:22**Client ID:** SB-2 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	39.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	820	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	27.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-02**Date Collected:** 08/25/21 09:22**Client ID:** SB-2 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	26	7.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	69		18-120

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-03
 Client ID: SB-6 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 13:35
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/28/21 02:28
 Analyst: SZ
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	28	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	380		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-03**Date Collected:** 08/25/21 13:35**Client ID:** SB-6 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	180		ug/kg	110	20.	1
Benzo(a)pyrene	160		ug/kg	140	43.	1
Benzo(b)fluoranthene	230		ug/kg	110	30.	1
Benzo(k)fluoranthene	65	J	ug/kg	110	28.	1
Chrysene	170		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	55	J	ug/kg	110	34.	1
Benzo(ghi)perylene	98	J	ug/kg	140	21.	1
Fluorene	19	J	ug/kg	180	17.	1
Phenanthrene	290		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	27	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	140	25.	1
Pyrene	320		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-03**Date Collected:** 08/25/21 13:35**Client ID:** SB-6 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	25	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	69		18-120

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-04
 Client ID: SB-6 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 13:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/27/21 23:20
 Analyst: SZ
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	33.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-04**Date Collected:** 08/25/21 13:40**Client ID:** SB-6 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	69.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	55.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-04**Date Collected:** 08/25/21 13:40**Client ID:** SB-6 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	25	7.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	66		18-120

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-05
 Client ID: SB-5 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:50
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/28/21 02:51
 Analyst: SZ
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	57	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	940		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-05**Date Collected:** 08/25/21 12:50**Client ID:** SB-5 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	490		ug/kg	110	20.	1
Benzo(a)pyrene	480		ug/kg	140	44.	1
Benzo(b)fluoranthene	580		ug/kg	110	30.	1
Benzo(k)fluoranthene	180		ug/kg	110	29.	1
Chrysene	540		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	110		ug/kg	110	35.	1
Benzo(ghi)perylene	320		ug/kg	140	21.	1
Fluorene	39	J	ug/kg	180	18.	1
Phenanthrene	640		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	71	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	330		ug/kg	140	25.	1
Pyrene	1000		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	17	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-05**Date Collected:** 08/25/21 12:50**Client ID:** SB-5 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	43	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	73		18-120

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-06
 Client ID: SB-5 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:55
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/27/21 22:56
 Analyst: SZ
 Percent Solids: 96%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-06**Date Collected:** 08/25/21 12:55**Client ID:** SB-5 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	39.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	820	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	27.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-06**Date Collected:** 08/25/21 12:55**Client ID:** SB-5 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	25	7.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	69		18-120

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-06
 Client ID: SB-5 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:55
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 08/27/21 11:53
 Analyst: HT
 Percent Solids: 96%

Extraction Method: ALPHA 23528
 Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.488	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.488	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.244	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.488	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.244	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.244	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.244	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.488	0.175	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.488	0.133	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.244	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.244	0.127	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.244	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.488	0.280	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.488	0.197	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.488	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.488	0.149	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.488	0.096	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.488	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.488	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.488	0.200	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.488	0.053	1
PFOA/PFOS, Total	ND		ng/g	0.244	0.041	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-06**Date Collected:** 08/25/21 12:55**Client ID:** SB-5 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	68		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	81		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	67		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	68	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	69	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	73		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	69	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	79		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	70	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	12	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	74		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	18	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	51		24-159

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-07
 Client ID: SB-1 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 14:12
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/28/21 07:11
 Analyst: SZ
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	300		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	5400		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	220		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-07**Date Collected:** 08/25/21 14:12**Client ID:** SB-1 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	3000		ug/kg	110	20.	1
Benzo(a)pyrene	3000		ug/kg	140	43.	1
Benzo(b)fluoranthene	3700		ug/kg	110	30.	1
Benzo(k)fluoranthene	1000		ug/kg	110	28.	1
Chrysene	3100		ug/kg	110	18.	1
Acenaphthylene	210		ug/kg	140	27.	1
Anthracene	820		ug/kg	110	35.	1
Benzo(ghi)perylene	1500		ug/kg	140	21.	1
Fluorene	290		ug/kg	180	17.	1
Phenanthrene	3700		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	370		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	1700		ug/kg	140	25.	1
Pyrene	5700		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	210		ug/kg	180	17.	1
2-Methylnaphthalene	130	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-07**Date Collected:** 08/25/21 14:12**Client ID:** SB-1 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	360		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	87		18-120

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-08
 Client ID: SB-1 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 14:16
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/27/21 23:43
 Analyst: SZ
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	16.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	33.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-08**Date Collected:** 08/25/21 14:16**Client ID:** SB-1 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	15.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	32.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	100	16.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	31.	1
4-Nitroaniline	ND		ug/kg	170	69.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	55.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-08**Date Collected:** 08/25/21 14:16**Client ID:** SB-1 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	25	7.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	79		18-120

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 05:15
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 06 Batch: WG1539386-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 05:15
Analyst: HT

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 06 Batch: WG1539386-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		24-159

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/21 19:43
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/26/21 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 06 Batch: WG1539386-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	122	Q	10-117

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/27/21 21:46
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1539643-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/21 21:46
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/26/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1539643-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/21 21:46
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/26/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1539643-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	89		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 Batch: WG1539386-2								
Perfluorobutanoic Acid (PFBA)	122		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	121		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	119		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	124		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	122		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	120		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	124		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	131		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	121		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	122		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	126		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	126		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	143	Q	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	130		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	122		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	126		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	121		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	120		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	122		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	135		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	122		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 Batch: WG1539386-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	85				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68				24-159

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 Batch: WG1539386-2								
Perfluorooctanesulfonamide (FOSA)	134		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	122	Q			10-117

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1539643-2 WG1539643-3								
Acenaphthene	71		73		31-137	3		50
1,2,4-Trichlorobenzene	74		76		38-107	3		50
Hexachlorobenzene	74		75		40-140	1		50
Bis(2-chloroethyl)ether	73		77		40-140	5		50
2-Chloronaphthalene	76		74		40-140	3		50
1,2-Dichlorobenzene	68		70		40-140	3		50
1,3-Dichlorobenzene	71		70		40-140	1		50
1,4-Dichlorobenzene	68		69		28-104	1		50
3,3'-Dichlorobenzidine	60		67		40-140	11		50
2,4-Dinitrotoluene	80		82		40-132	2		50
2,6-Dinitrotoluene	78		83		40-140	6		50
Fluoranthene	75		82		40-140	9		50
4-Chlorophenyl phenyl ether	74		74		40-140	0		50
4-Bromophenyl phenyl ether	79		79		40-140	0		50
Bis(2-chloroisopropyl)ether	67		66		40-140	2		50
Bis(2-chloroethoxy)methane	77		75		40-117	3		50
Hexachlorobutadiene	76		75		40-140	1		50
Hexachlorocyclopentadiene	74		71		40-140	4		50
Hexachloroethane	68		70		40-140	3		50
Isophorone	66		72		40-140	9		50
Naphthalene	72		71		40-140	1		50
Nitrobenzene	75		76		40-140	1		50
NDPA/DPA	74		73		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1539643-2 WG1539643-3								
n-Nitrosodi-n-propylamine	74		76		32-121	3		50
Bis(2-ethylhexyl)phthalate	72		78		40-140	8		50
Butyl benzyl phthalate	75		85		40-140	13		50
Di-n-butylphthalate	76		85		40-140	11		50
Di-n-octylphthalate	75		72		40-140	4		50
Diethyl phthalate	74		74		40-140	0		50
Dimethyl phthalate	75		79		40-140	5		50
Benzo(a)anthracene	71		75		40-140	5		50
Benzo(a)pyrene	79		77		40-140	3		50
Benzo(b)fluoranthene	76		76		40-140	0		50
Benzo(k)fluoranthene	75		72		40-140	4		50
Chrysene	69		72		40-140	4		50
Acenaphthylene	76		78		40-140	3		50
Anthracene	73		79		40-140	8		50
Benzo(ghi)perylene	76		73		40-140	4		50
Fluorene	72		72		40-140	0		50
Phenanthrene	70		73		40-140	4		50
Dibenzo(a,h)anthracene	74		76		40-140	3		50
Indeno(1,2,3-cd)pyrene	76		77		40-140	1		50
Pyrene	72		77		35-142	7		50
Biphenyl	78		76		37-127	3		50
4-Chloroaniline	77		77		40-140	0		50
2-Nitroaniline	79		82		47-134	4		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1539643-2 WG1539643-3								
3-Nitroaniline	68		75		26-129	10		50
4-Nitroaniline	78		75		41-125	4		50
Dibenzofuran	72		74		40-140	3		50
2-Methylnaphthalene	78		76		40-140	3		50
1,2,4,5-Tetrachlorobenzene	75		73		40-117	3		50
Acetophenone	80		81		14-144	1		50
2,4,6-Trichlorophenol	85		86		30-130	1		50
p-Chloro-m-cresol	84		84		26-103	0		50
2-Chlorophenol	79		84		25-102	6		50
2,4-Dichlorophenol	81		81		30-130	0		50
2,4-Dimethylphenol	79		82		30-130	4		50
2-Nitrophenol	74		79		30-130	7		50
4-Nitrophenol	86		88		11-114	2		50
2,4-Dinitrophenol	71		73		4-130	3		50
4,6-Dinitro-o-cresol	76		77		10-130	1		50
Pentachlorophenol	77		77		17-109	0		50
Phenol	74		84		26-90	13		50
2-Methylphenol	79		80		30-130.	1		50
3-Methylphenol/4-Methylphenol	85		91		30-130	7		50
2,4,5-Trichlorophenol	83		82		30-130	1		50
Benzoic Acid	54		51		10-110	6		50
Benzyl Alcohol	82		88		40-140	7		50
Carbazole	75		78		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1539643-2 WG1539643-3								
1,4-Dioxane	43		44		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		83		25-120
Phenol-d6	79		88		10-120
Nitrobenzene-d5	76		80		23-120
2-Fluorobiphenyl	75		73		30-120
2,4,6-Tribromophenol	83		86		10-136
4-Terphenyl-d14	78		85		18-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1539386-3 QC Sample: L2145462-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.093J	5.84	7.13	121		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	0.116J	5.84	7.16	121		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.18	6.15	119		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.46	7.41	136		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	0.126J	5.84	7.27	122		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.48	6.02	110		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	0.086J	5.84	7.21	122		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.33	6.60	124		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.867	5.84	7.88	120		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.56	7.34	132		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.56	7.00	126		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	0.564	5.84	7.66	122		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	1.89	5.42	8.28	118		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	0.442	5.84	7.70	124		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.6	7.64	136		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.61	6.47	115		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.84	7.53	129		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	0.054J	5.84	7.23	123		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.63	6.91	123		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.84	6.77	116		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.84	7.15	123		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTTrDA)	ND	5.84	8.25	141	Q	-	-		66-139	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1539386-3 QC Sample: L2145462-01 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	5.84	6.90	118		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	89				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	60				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	83				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83				58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96				74-139

Lab Duplicate Analysis Batch Quality Control

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1539386-4 QC Sample: L2145462-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	0.031J	0.029J	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	0.048J	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	0.066J	0.065J	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.132J	0.139J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	0.128J	0.130J	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	1.53	1.47	ng/g	4		30
Perfluorodecanoic Acid (PFDA)	0.154J	0.170J	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	0.057J	0.055J	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis Batch Quality Control

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1539386-4 QC Sample: L2145462-02 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		80		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		82		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		91		74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	58		56		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		79		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		80		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		87		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		87		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		71		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		43		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		86		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	48		45		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		85		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		49		24-159

PCBS

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-01
 Client ID: SB-2 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 09:17
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/28/21 09:55
 Analyst: CW
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 22:19
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	3.28	1	A
Aroclor 1221	ND		ug/kg	36.9	3.70	1	A
Aroclor 1232	ND		ug/kg	36.9	7.82	1	A
Aroclor 1242	ND		ug/kg	36.9	4.98	1	A
Aroclor 1248	ND		ug/kg	36.9	5.54	1	A
Aroclor 1254	ND		ug/kg	36.9	4.04	1	A
Aroclor 1260	ND		ug/kg	36.9	6.82	1	A
Aroclor 1262	ND		ug/kg	36.9	4.69	1	A
Aroclor 1268	ND		ug/kg	36.9	3.82	1	A
PCBs, Total	ND		ug/kg	36.9	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-02
 Client ID: SB-2 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 09:22
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/28/21 10:02
 Analyst: CW
 Percent Solids: 96%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 22:19
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.16	1	A
Aroclor 1254	ND		ug/kg	34.4	3.77	1	A
Aroclor 1260	ND		ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.57	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-03
 Client ID: SB-6 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 13:35
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/28/21 10:09
 Analyst: CW
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 22:19
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.08	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.34	1	A
Aroclor 1242	ND		ug/kg	34.6	4.67	1	A
Aroclor 1248	ND		ug/kg	34.6	5.20	1	A
Aroclor 1254	ND		ug/kg	34.6	3.79	1	A
Aroclor 1260	ND		ug/kg	34.6	6.40	1	A
Aroclor 1262	ND		ug/kg	34.6	4.40	1	A
Aroclor 1268	ND		ug/kg	34.6	3.59	1	A
PCBs, Total	ND		ug/kg	34.6	3.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-04
 Client ID: SB-6 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 13:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/28/21 10:17
 Analyst: CW
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 22:19
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.6	2.89	1	A
Aroclor 1221	ND		ug/kg	32.6	3.26	1	A
Aroclor 1232	ND		ug/kg	32.6	6.90	1	A
Aroclor 1242	ND		ug/kg	32.6	4.39	1	A
Aroclor 1248	ND		ug/kg	32.6	4.88	1	A
Aroclor 1254	ND		ug/kg	32.6	3.56	1	A
Aroclor 1260	ND		ug/kg	32.6	6.02	1	A
Aroclor 1262	ND		ug/kg	32.6	4.13	1	A
Aroclor 1268	ND		ug/kg	32.6	3.37	1	A
PCBs, Total	ND		ug/kg	32.6	2.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-05
 Client ID: SB-5 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:50
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/28/21 10:24
 Analyst: CW
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 22:19
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.50	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.46	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

SAMPLE RESULTS

Lab ID: L2145699-06
Client ID: SB-5 (10-12')
Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:55
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/27/21 19:01
Analyst: AD
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 08/26/21 22:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/27/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	3.04	1	A
Aroclor 1221	ND		ug/kg	34.3	3.44	1	A
Aroclor 1232	ND		ug/kg	34.3	7.27	1	A
Aroclor 1242	ND		ug/kg	34.3	4.62	1	A
Aroclor 1248	ND		ug/kg	34.3	5.14	1	A
Aroclor 1254	ND		ug/kg	34.3	3.75	1	A
Aroclor 1260	ND		ug/kg	34.3	6.34	1	A
Aroclor 1262	ND		ug/kg	34.3	4.35	1	A
Aroclor 1268	ND		ug/kg	34.3	3.55	1	A
PCBs, Total	ND		ug/kg	34.3	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-07
 Client ID: SB-1 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 14:12
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/28/21 10:31
 Analyst: CW
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 22:19
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/28/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.07	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.34	1	A
Aroclor 1242	ND		ug/kg	34.6	4.67	1	A
Aroclor 1248	ND		ug/kg	34.6	5.19	1	A
Aroclor 1254	ND		ug/kg	34.6	3.79	1	A
Aroclor 1260	ND		ug/kg	34.6	6.40	1	A
Aroclor 1262	ND		ug/kg	34.6	4.40	1	A
Aroclor 1268	ND		ug/kg	34.6	3.59	1	A
PCBs, Total	ND		ug/kg	34.6	3.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

SAMPLE RESULTS

Lab ID: L2145699-08
Client ID: SB-1 (10-12')
Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 14:16
Date Received: 08/25/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/28/21 10:39
Analyst: CW
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 08/26/21 22:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.7	2.99	1	A
Aroclor 1221	ND		ug/kg	33.7	3.37	1	A
Aroclor 1232	ND		ug/kg	33.7	7.14	1	A
Aroclor 1242	ND		ug/kg	33.7	4.54	1	A
Aroclor 1248	ND		ug/kg	33.7	5.05	1	A
Aroclor 1254	ND		ug/kg	33.7	3.68	1	A
Aroclor 1260	ND		ug/kg	33.7	6.22	1	A
Aroclor 1262	ND		ug/kg	33.7	4.28	1	A
Aroclor 1268	ND		ug/kg	33.7	3.49	1	A
PCBs, Total	ND		ug/kg	33.7	2.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/27/21 18:33
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 08/26/21 22:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/27/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1539734-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.18	A
Aroclor 1232	ND		ug/kg	31.8	6.74	A
Aroclor 1242	ND		ug/kg	31.8	4.28	A
Aroclor 1248	ND		ug/kg	31.8	4.77	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.87	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.29	A
PCBs, Total	ND		ug/kg	31.8	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1539734-2 WG1539734-3									
Aroclor 1016	86		64		40-140	29		50	A
Aroclor 1260	86		63		40-140	31		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		54		30-150	A
Decachlorobiphenyl	83		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		55		30-150	B
Decachlorobiphenyl	83		56		30-150	B

PESTICIDES

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-01 D
 Client ID: SB-2 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 09:17
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/21 13:16
 Analyst: AR
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	3.43	0.671	2	A
Lindane	ND		ug/kg	1.43	0.638	2	A
Alpha-BHC	ND		ug/kg	1.43	0.406	2	A
Beta-BHC	ND		ug/kg	3.43	1.30	2	A
Heptachlor	ND		ug/kg	1.71	0.768	2	A
Aldrin	ND		ug/kg	3.43	1.21	2	A
Heptachlor epoxide	ND		ug/kg	6.43	1.93	2	A
Endrin	ND		ug/kg	1.43	0.586	2	A
Endrin aldehyde	ND		ug/kg	4.28	1.50	2	A
Endrin ketone	ND		ug/kg	3.43	0.882	2	A
Dieldrin	ND		ug/kg	2.14	1.07	2	A
4,4'-DDE	ND		ug/kg	3.43	0.793	2	A
4,4'-DDD	ND		ug/kg	3.43	1.22	2	A
4,4'-DDT	ND		ug/kg	6.43	2.76	2	A
Endosulfan I	ND		ug/kg	3.43	0.810	2	A
Endosulfan II	ND		ug/kg	3.43	1.14	2	A
Endosulfan sulfate	ND		ug/kg	1.43	0.680	2	A
Methoxychlor	ND		ug/kg	6.43	2.00	2	A
Toxaphene	ND		ug/kg	64.3	18.0	2	A
cis-Chlordane	ND		ug/kg	4.28	1.19	2	A
trans-Chlordane	ND		ug/kg	4.28	1.13	2	A
Chlordane	ND		ug/kg	28.6	11.4	2	A

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-01 D

Date Collected: 08/25/21 09:17

Client ID: SB-2 (0-2')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	209	Q	30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-02
 Client ID: SB-2 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 09:22
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/21 13:59
 Analyst: AR
 Percent Solids: 96%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.675	0.302	1	A
Alpha-BHC	ND		ug/kg	0.675	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.614	1	A
Heptachlor	ND		ug/kg	0.810	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.570	1	A
Heptachlor epoxide	ND		ug/kg	3.04	0.911	1	A
Endrin	ND		ug/kg	0.675	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.708	1	A
Endrin ketone	ND		ug/kg	1.62	0.417	1	A
Dieldrin	ND		ug/kg	1.01	0.506	1	A
4,4'-DDE	ND		ug/kg	1.62	0.374	1	A
4,4'-DDD	ND		ug/kg	1.62	0.578	1	A
4,4'-DDT	ND		ug/kg	3.04	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.383	1	A
Endosulfan II	ND		ug/kg	1.62	0.541	1	A
Endosulfan sulfate	ND		ug/kg	0.675	0.321	1	A
Methoxychlor	ND		ug/kg	3.04	0.945	1	A
Toxaphene	ND		ug/kg	30.4	8.50	1	A
cis-Chlordane	ND		ug/kg	2.02	0.564	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.5	5.36	1	A

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-02**Date Collected:** 08/25/21 09:22**Client ID:** SB-2 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-03
 Client ID: SB-6 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 13:35
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/21 14:10
 Analyst: AR
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:06
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.338	1	A
Lindane	ND		ug/kg	0.720	0.322	1	A
Alpha-BHC	ND		ug/kg	0.720	0.204	1	A
Beta-BHC	ND		ug/kg	1.73	0.655	1	A
Heptachlor	ND		ug/kg	0.864	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.972	1	A
Endrin	ND		ug/kg	0.720	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.756	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.616	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.720	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	ND		ug/kg	2.16	0.602	1	A
trans-Chlordane	ND		ug/kg	2.16	0.570	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-03

Date Collected: 08/25/21 13:35

Client ID: SB-6 (0-2')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-04
 Client ID: SB-6 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 13:40
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/21 14:21
 Analyst: AR
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:06
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.60	0.312	1	A
Lindane	ND		ug/kg	0.665	0.297	1	A
Alpha-BHC	ND		ug/kg	0.665	0.189	1	A
Beta-BHC	ND		ug/kg	1.60	0.605	1	A
Heptachlor	ND		ug/kg	0.798	0.358	1	A
Aldrin	ND		ug/kg	1.60	0.562	1	A
Heptachlor epoxide	ND		ug/kg	2.99	0.897	1	A
Endrin	ND		ug/kg	0.665	0.272	1	A
Endrin aldehyde	ND		ug/kg	1.99	0.698	1	A
Endrin ketone	ND		ug/kg	1.60	0.411	1	A
Dieldrin	ND		ug/kg	0.997	0.498	1	A
4,4'-DDE	ND		ug/kg	1.60	0.369	1	A
4,4'-DDD	ND		ug/kg	1.60	0.569	1	A
4,4'-DDT	ND		ug/kg	2.99	1.28	1	A
Endosulfan I	ND		ug/kg	1.60	0.377	1	A
Endosulfan II	ND		ug/kg	1.60	0.533	1	A
Endosulfan sulfate	ND		ug/kg	0.665	0.316	1	A
Methoxychlor	ND		ug/kg	2.99	0.930	1	A
Toxaphene	ND		ug/kg	29.9	8.37	1	A
cis-Chlordane	ND		ug/kg	1.99	0.556	1	A
trans-Chlordane	ND		ug/kg	1.99	0.526	1	A
Chlordane	ND		ug/kg	13.3	5.28	1	A

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-04**Date Collected:** 08/25/21 13:40**Client ID:** SB-6 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-05
 Client ID: SB-5 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:50
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/21 14:43
 Analyst: AR
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:06
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.696	0.311	1	A
Alpha-BHC	ND		ug/kg	0.696	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.633	1	A
Heptachlor	ND		ug/kg	0.835	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.940	1	A
Endrin	ND		ug/kg	0.696	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.731	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.696	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.974	1	A
Toxaphene	ND		ug/kg	31.3	8.77	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.551	1	A
Chlordane	ND		ug/kg	13.9	5.53	1	A

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-05**Date Collected:** 08/25/21 12:50**Client ID:** SB-5 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-06
 Client ID: SB-5 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:55
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/21 14:54
 Analyst: AR
 Percent Solids: 96%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:06
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.692	0.309	1	A
Alpha-BHC	ND		ug/kg	0.692	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.629	1	A
Heptachlor	ND		ug/kg	0.830	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.584	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.934	1	A
Endrin	ND		ug/kg	0.692	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.07	0.726	1	A
Endrin ketone	ND		ug/kg	1.66	0.427	1	A
Dieldrin	ND		ug/kg	1.04	0.519	1	A
4,4'-DDE	ND		ug/kg	1.66	0.384	1	A
4,4'-DDD	ND		ug/kg	1.66	0.592	1	A
4,4'-DDT	ND		ug/kg	3.11	1.33	1	A
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.555	1	A
Endosulfan sulfate	ND		ug/kg	0.692	0.329	1	A
Methoxychlor	ND		ug/kg	3.11	0.968	1	A
Toxaphene	ND		ug/kg	31.1	8.71	1	A
cis-Chlordane	ND		ug/kg	2.07	0.578	1	A
trans-Chlordane	ND		ug/kg	2.07	0.548	1	A
Chlordane	ND		ug/kg	13.8	5.50	1	A

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-06**Date Collected:** 08/25/21 12:55**Client ID:** SB-5 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-07
 Client ID: SB-1 (0-2')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 14:12
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/21 13:48
 Analyst: AR
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:06
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.675	0.302	1	A
Alpha-BHC	ND		ug/kg	0.675	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.614	1	A
Heptachlor	ND		ug/kg	0.810	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.570	1	A
Heptachlor epoxide	ND		ug/kg	3.04	0.911	1	A
Endrin	ND		ug/kg	0.675	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.708	1	A
Endrin ketone	ND		ug/kg	1.62	0.417	1	A
Dieldrin	ND		ug/kg	1.01	0.506	1	A
4,4'-DDE	ND		ug/kg	1.62	0.374	1	A
4,4'-DDD	ND		ug/kg	1.62	0.577	1	A
4,4'-DDT	ND		ug/kg	3.04	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.382	1	A
Endosulfan II	ND		ug/kg	1.62	0.541	1	A
Endosulfan sulfate	ND		ug/kg	0.675	0.321	1	A
Methoxychlor	ND		ug/kg	3.04	0.944	1	A
Toxaphene	ND		ug/kg	30.4	8.50	1	A
cis-Chlordane	ND		ug/kg	2.02	0.564	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.5	5.36	1	A

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-07**Date Collected:** 08/25/21 14:12**Client ID:** SB-1 (0-2')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	165	Q	30-150	B

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-08
 Client ID: SB-1 (10-12')
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 14:16
 Date Received: 08/25/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 08/28/21 15:04
 Analyst: AR
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:06
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.675	0.302	1	A
Alpha-BHC	ND		ug/kg	0.675	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.614	1	A
Heptachlor	ND		ug/kg	0.810	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.570	1	A
Heptachlor epoxide	ND		ug/kg	3.04	0.912	1	A
Endrin	ND		ug/kg	0.675	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.709	1	A
Endrin ketone	ND		ug/kg	1.62	0.417	1	A
Dieldrin	ND		ug/kg	1.01	0.506	1	A
4,4'-DDE	ND		ug/kg	1.62	0.375	1	A
4,4'-DDD	ND		ug/kg	1.62	0.578	1	A
4,4'-DDT	ND		ug/kg	3.04	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.383	1	A
Endosulfan II	ND		ug/kg	1.62	0.542	1	A
Endosulfan sulfate	ND		ug/kg	0.675	0.321	1	A
Methoxychlor	ND		ug/kg	3.04	0.945	1	A
Toxaphene	ND		ug/kg	30.4	8.51	1	A
cis-Chlordane	ND		ug/kg	2.02	0.564	1	A
trans-Chlordane	ND		ug/kg	2.02	0.535	1	A
Chlordane	ND		ug/kg	13.5	5.37	1	A

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-08**Date Collected:** 08/25/21 14:16**Client ID:** SB-1 (10-12')**Date Received:** 08/25/21**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/28/21 11:34
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/26/21 16:01
Cleanup Method: EPA 3620B
Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1539626-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.643	0.287	A
Alpha-BHC	ND		ug/kg	0.643	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.585	A
Heptachlor	ND		ug/kg	0.771	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.868	A
Endrin	ND		ug/kg	0.643	0.263	A
Endrin aldehyde	ND		ug/kg	1.93	0.675	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.964	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.643	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.900	A
Toxaphene	ND		ug/kg	28.9	8.10	A
cis-Chlordane	ND		ug/kg	1.93	0.537	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.8	5.11	A

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/28/21 11:34
 Analyst: AR

Extraction Method: EPA 3546
 Extraction Date: 08/26/21 16:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1539626-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1539626-2 WG1539626-3									
Delta-BHC	96		94		30-150	2		30	A
Lindane	100		97		30-150	3		30	A
Alpha-BHC	95		93		30-150	2		30	A
Beta-BHC	89		88		30-150	1		30	A
Heptachlor	96		95		30-150	1		30	A
Aldrin	94		92		30-150	2		30	A
Heptachlor epoxide	88		85		30-150	3		30	A
Endrin	93		92		30-150	1		30	A
Endrin aldehyde	76		75		30-150	1		30	A
Endrin ketone	89		87		30-150	2		30	A
Dieldrin	99		96		30-150	3		30	A
4,4'-DDE	94		87		30-150	8		30	A
4,4'-DDD	106		106		30-150	0		30	A
4,4'-DDT	105		103		30-150	2		30	A
Endosulfan I	87		88		30-150	1		30	A
Endosulfan II	95		94		30-150	1		30	A
Endosulfan sulfate	82		80		30-150	2		30	A
Methoxychlor	93		92		30-150	1		30	A
cis-Chlordane	92		92		30-150	0		30	A
trans-Chlordane	98		98		30-150	0		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1539626-2 WG1539626-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		89		30-150	A
Decachlorobiphenyl	96		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		92		30-150	B
Decachlorobiphenyl	105		100		30-150	B

METALS

Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-01

Date Collected: 08/25/21 09:17

Client ID: SB-2 (0-2')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5260		mg/kg	8.65	2.34	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Antimony, Total	75.5		mg/kg	4.32	0.329	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Arsenic, Total	18.3		mg/kg	0.865	0.180	2	08/27/21 10:25	09/03/21 16:06	EPA 3050B	1,6010D	SV
Barium, Total	1060		mg/kg	0.865	0.150	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Beryllium, Total	0.320	J	mg/kg	0.432	0.029	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Cadmium, Total	2.08		mg/kg	0.865	0.085	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Calcium, Total	2800		mg/kg	8.65	3.03	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Chromium, Total	28.2		mg/kg	0.865	0.083	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Cobalt, Total	4.75		mg/kg	1.73	0.144	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Copper, Total	102		mg/kg	0.865	0.223	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Iron, Total	20600		mg/kg	4.32	0.781	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Lead, Total	708		mg/kg	4.32	0.232	2	08/27/21 10:25	09/03/21 16:06	EPA 3050B	1,6010D	SV
Magnesium, Total	1200		mg/kg	8.65	1.33	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Manganese, Total	260		mg/kg	0.865	0.138	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Mercury, Total	30.2		mg/kg	1.43	0.930	20	08/27/21 11:00	08/29/21 12:58	EPA 7471B	1,7471B	OU
Nickel, Total	10.2		mg/kg	2.16	0.209	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Potassium, Total	458		mg/kg	216	12.4	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Selenium, Total	0.311	J	mg/kg	1.73	0.223	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Silver, Total	1.76		mg/kg	0.865	0.245	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Sodium, Total	336		mg/kg	173	2.72	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.73	0.272	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Vanadium, Total	17.8		mg/kg	0.865	0.176	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV
Zinc, Total	463		mg/kg	4.32	0.253	2	08/27/21 10:25	09/04/21 16:29	EPA 3050B	1,6010D	SV



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-02

Date Collected: 08/25/21 09:22

Client ID: SB-2 (10-12')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2150		mg/kg	8.18	2.21	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Antimony, Total	10.1		mg/kg	4.09	0.311	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Arsenic, Total	2.71		mg/kg	0.818	0.170	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Barium, Total	7.15		mg/kg	0.818	0.142	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Beryllium, Total	0.139	J	mg/kg	0.409	0.027	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Cadmium, Total	0.106	J	mg/kg	0.818	0.080	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Calcium, Total	155		mg/kg	8.18	2.86	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Chromium, Total	5.77		mg/kg	0.818	0.079	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Cobalt, Total	2.94		mg/kg	1.64	0.136	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Copper, Total	4.42		mg/kg	0.818	0.211	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Iron, Total	10400		mg/kg	4.09	0.739	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Lead, Total	2.07	J	mg/kg	4.09	0.219	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Magnesium, Total	639		mg/kg	8.18	1.26	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Manganese, Total	206		mg/kg	0.818	0.130	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.066	0.043	1	08/27/21 11:00	08/29/21 11:19	EPA 7471B	1,7471B	OU
Nickel, Total	4.72		mg/kg	2.05	0.198	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Potassium, Total	165	J	mg/kg	205	11.8	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.64	0.211	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.818	0.232	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Sodium, Total	65.1	J	mg/kg	164	2.58	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.64	0.258	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Vanadium, Total	10.1		mg/kg	0.818	0.166	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV
Zinc, Total	34.9		mg/kg	4.09	0.240	2	08/27/21 10:25	09/04/21 16:20	EPA 3050B	1,6010D	SV



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-03

Date Collected: 08/25/21 13:35

Client ID: SB-6 (0-2')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5290		mg/kg	8.23	2.22	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.11	0.312	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Arsenic, Total	2.98		mg/kg	0.823	0.171	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Barium, Total	32.3		mg/kg	0.823	0.143	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Beryllium, Total	0.296	J	mg/kg	0.411	0.027	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.823	0.081	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Calcium, Total	777		mg/kg	8.23	2.88	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Chromium, Total	10.1		mg/kg	0.823	0.079	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Cobalt, Total	3.38		mg/kg	1.64	0.136	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Copper, Total	10.1		mg/kg	0.823	0.212	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Iron, Total	11000		mg/kg	4.11	0.743	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Lead, Total	48.5		mg/kg	4.11	0.220	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Magnesium, Total	1160		mg/kg	8.23	1.27	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Manganese, Total	243		mg/kg	0.823	0.131	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Mercury, Total	0.355		mg/kg	0.069	0.045	1	08/27/21 11:00	08/29/21 11:58	EPA 7471B	1,7471B	OU
Nickel, Total	6.50		mg/kg	2.06	0.199	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Potassium, Total	382		mg/kg	206	11.8	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.64	0.212	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.823	0.233	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Sodium, Total	166		mg/kg	164	2.59	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.64	0.259	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Vanadium, Total	15.6		mg/kg	0.823	0.167	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV
Zinc, Total	72.3		mg/kg	4.11	0.241	2	08/27/21 10:25	09/04/21 16:24	EPA 3050B	1,6010D	SV



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-04

Date Collected: 08/25/21 13:40

Client ID: SB-6 (10-12')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2490		mg/kg	7.97	2.15	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Antimony, Total	1.96	J	mg/kg	3.98	0.303	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Arsenic, Total	1.15		mg/kg	0.797	0.166	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Barium, Total	9.32		mg/kg	0.797	0.139	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Beryllium, Total	0.167	J	mg/kg	0.398	0.026	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.797	0.078	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Calcium, Total	295		mg/kg	7.97	2.79	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Chromium, Total	5.99		mg/kg	0.797	0.077	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Cobalt, Total	2.77		mg/kg	1.59	0.132	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Copper, Total	5.41		mg/kg	0.797	0.206	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Iron, Total	9580		mg/kg	3.98	0.720	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Lead, Total	2.53	J	mg/kg	3.98	0.214	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Magnesium, Total	999		mg/kg	7.97	1.23	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Manganese, Total	228		mg/kg	0.797	0.127	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.064	0.042	1	08/27/21 11:00	08/29/21 12:02	EPA 7471B	1,7471B	OU
Nickel, Total	5.24		mg/kg	1.99	0.193	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Potassium, Total	215		mg/kg	199	11.5	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.59	0.206	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.797	0.226	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Sodium, Total	41.4	J	mg/kg	159	2.51	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.59	0.251	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Vanadium, Total	12.3		mg/kg	0.797	0.162	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV
Zinc, Total	10.9		mg/kg	3.98	0.234	2	08/27/21 10:25	09/04/21 17:01	EPA 3050B	1,6010D	SV



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-05

Date Collected: 08/25/21 12:50

Client ID: SB-5 (0-2')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4660		mg/kg	8.58	2.32	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Antimony, Total	31.1		mg/kg	4.29	0.326	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Arsenic, Total	6.90		mg/kg	0.858	0.178	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Barium, Total	101		mg/kg	0.858	0.149	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Beryllium, Total	0.274	J	mg/kg	0.429	0.028	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.858	0.084	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Calcium, Total	6030		mg/kg	8.58	3.00	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Chromium, Total	11.2		mg/kg	0.858	0.082	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Cobalt, Total	3.63		mg/kg	1.72	0.142	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Copper, Total	49.7		mg/kg	0.858	0.221	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Iron, Total	10400		mg/kg	4.29	0.774	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Lead, Total	185		mg/kg	4.29	0.230	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Magnesium, Total	1650		mg/kg	8.58	1.32	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Manganese, Total	202		mg/kg	0.858	0.136	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Mercury, Total	0.912		mg/kg	0.070	0.045	1	08/27/21 11:00	08/29/21 12:05	EPA 7471B	1,7471B	OU
Nickel, Total	7.43		mg/kg	2.14	0.208	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Potassium, Total	376		mg/kg	214	12.4	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Selenium, Total	0.926	J	mg/kg	1.72	0.221	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Silver, Total	0.446	J	mg/kg	0.858	0.243	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Sodium, Total	100	J	mg/kg	172	2.70	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.72	0.270	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Vanadium, Total	14.3		mg/kg	0.858	0.174	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV
Zinc, Total	73.5		mg/kg	4.29	0.251	2	08/27/21 10:25	09/04/21 17:05	EPA 3050B	1,6010D	SV



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-06

Date Collected: 08/25/21 12:55

Client ID: SB-5 (10-12')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2780		mg/kg	8.00	2.16	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.00	0.304	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Arsenic, Total	1.30		mg/kg	0.800	0.166	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Barium, Total	11.8		mg/kg	0.800	0.139	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Beryllium, Total	0.168	J	mg/kg	0.400	0.026	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.800	0.078	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Calcium, Total	258		mg/kg	8.00	2.80	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Chromium, Total	6.50		mg/kg	0.800	0.077	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Cobalt, Total	3.41		mg/kg	1.60	0.133	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Copper, Total	4.98		mg/kg	0.800	0.206	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Iron, Total	9880		mg/kg	4.00	0.722	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Lead, Total	2.37	J	mg/kg	4.00	0.214	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Magnesium, Total	984		mg/kg	8.00	1.23	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Manganese, Total	257		mg/kg	0.800	0.127	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.066	0.043	1	08/27/21 11:00	08/29/21 12:15	EPA 7471B	1,7471B	OU
Nickel, Total	6.07		mg/kg	2.00	0.194	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Potassium, Total	230		mg/kg	200	11.5	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.60	0.206	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.800	0.226	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Sodium, Total	49.7	J	mg/kg	160	2.52	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.60	0.252	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Vanadium, Total	11.2		mg/kg	0.800	0.162	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV
Zinc, Total	10.9		mg/kg	4.00	0.234	2	08/27/21 10:25	09/04/21 17:10	EPA 3050B	1,6010D	SV



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-07

Date Collected: 08/25/21 14:12

Client ID: SB-1 (0-2')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6540		mg/kg	8.17	2.21	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Antimony, Total	6.81		mg/kg	4.09	0.310	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Arsenic, Total	7.54		mg/kg	0.817	0.170	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Barium, Total	127		mg/kg	0.817	0.142	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Beryllium, Total	0.343	J	mg/kg	0.409	0.027	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.817	0.080	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Calcium, Total	4740		mg/kg	8.17	2.86	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Chromium, Total	15.9		mg/kg	0.817	0.079	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Cobalt, Total	4.62		mg/kg	1.63	0.136	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Copper, Total	37.8		mg/kg	0.817	0.211	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Iron, Total	30300		mg/kg	4.09	0.738	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Lead, Total	130		mg/kg	4.09	0.219	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Magnesium, Total	1330		mg/kg	8.17	1.26	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Manganese, Total	330		mg/kg	0.817	0.130	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Mercury, Total	0.557		mg/kg	0.067	0.044	1	08/27/21 11:00	08/29/21 12:18	EPA 7471B	1,7471B	OU
Nickel, Total	8.74		mg/kg	2.04	0.198	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Potassium, Total	450		mg/kg	204	11.8	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.63	0.211	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.817	0.231	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Sodium, Total	224		mg/kg	163	2.57	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.63	0.257	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Vanadium, Total	21.2		mg/kg	0.817	0.166	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV
Zinc, Total	222		mg/kg	4.09	0.239	2	08/27/21 10:25	09/04/21 17:14	EPA 3050B	1,6010D	SV



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2145699**Project Number:** 0201831-000**Report Date:** 09/06/21**SAMPLE RESULTS**

Lab ID: L2145699-08

Date Collected: 08/25/21 14:16

Client ID: SB-1 (10-12')

Date Received: 08/25/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2830		mg/kg	8.08	2.18	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.04	0.307	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Arsenic, Total	0.993		mg/kg	0.808	0.168	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Barium, Total	9.59		mg/kg	0.808	0.140	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Beryllium, Total	0.162	J	mg/kg	0.404	0.027	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.808	0.079	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Calcium, Total	316		mg/kg	8.08	2.83	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Chromium, Total	6.99		mg/kg	0.808	0.078	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Cobalt, Total	2.88		mg/kg	1.62	0.134	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Copper, Total	5.32		mg/kg	0.808	0.208	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Iron, Total	9900		mg/kg	4.04	0.729	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Lead, Total	2.32	J	mg/kg	4.04	0.216	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Magnesium, Total	1060		mg/kg	8.08	1.24	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Manganese, Total	192		mg/kg	0.808	0.128	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.064	0.042	1	08/27/21 11:00	08/29/21 12:22	EPA 7471B	1,7471B	OU
Nickel, Total	5.82		mg/kg	2.02	0.195	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Potassium, Total	298		mg/kg	202	11.6	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.62	0.208	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.808	0.228	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Sodium, Total	61.2	J	mg/kg	162	2.54	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.62	0.254	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Vanadium, Total	11.0		mg/kg	0.808	0.164	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV
Zinc, Total	11.4		mg/kg	4.04	0.237	2	08/27/21 10:25	09/04/21 17:19	EPA 3050B	1,6010D	SV



Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1539504-1										
Aluminum, Total	2.13	J	mg/kg	4.00	1.08	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/27/21 10:25	09/03/21 15:45	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Calcium, Total	1.46	J	mg/kg	4.00	1.40	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Chromium, Total	0.088	J	mg/kg	0.400	0.038	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Iron, Total	4.74		mg/kg	2.00	0.361	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	08/27/21 10:25	09/03/21 15:45	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Manganese, Total	0.108	J	mg/kg	0.400	0.064	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Potassium, Total	16.9	J	mg/kg	100	5.76	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Sodium, Total	38.3	J	mg/kg	80.0	1.26	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/27/21 10:25	09/04/21 15:16	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1539508-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/27/21 11:00	08/29/21 11:13	1,7471B	OU



Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1539504-2 SRM Lot Number: D109-540								
Aluminum, Total	75		-		50-150	-		
Antimony, Total	125		-		19-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	100		-		75-125	-		
Beryllium, Total	99		-		75-125	-		
Cadmium, Total	101		-		75-125	-		
Calcium, Total	102		-		73-128	-		
Chromium, Total	99		-		70-130	-		
Cobalt, Total	100		-		75-125	-		
Copper, Total	96		-		75-125	-		
Iron, Total	106		-		35-165	-		
Lead, Total	98		-		72-128	-		
Magnesium, Total	95		-		62-138	-		
Manganese, Total	97		-		74-126	-		
Nickel, Total	100		-		70-130	-		
Potassium, Total	92		-		59-141	-		
Selenium, Total	106		-		68-132	-		
Silver, Total	95		-		68-131	-		
Sodium, Total	103		-		35-165	-		
Thallium, Total	98		-		68-131	-		
Vanadium, Total	104		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1539504-2 SRM Lot Number: D109-540					
Zinc, Total	101	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1539508-2 SRM Lot Number: D109-540					
Mercury, Total	91	-	60-140	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08			QC Batch ID: WG1539504-3			QC Sample: L2145699-01			Client ID: SB-2 (0-2')			
Aluminum, Total	5260	168	6400	679	Q	-	-		75-125	-		20
Antimony, Total	75.5	42	126	120		-	-		75-125	-		20
Arsenic, Total	18.3	10.1	29.1	107		-	-		75-125	-		20
Barium, Total	1060	168	874	0	Q	-	-		75-125	-		20
Beryllium, Total	0.320J	4.2	3.93	94		-	-		75-125	-		20
Cadmium, Total	2.08	4.45	5.95	87		-	-		75-125	-		20
Calcium, Total	2800	839	5210	287	Q	-	-		75-125	-		20
Chromium, Total	28.2	16.8	40.0	70	Q	-	-		75-125	-		20
Cobalt, Total	4.75	42	39.9	84		-	-		75-125	-		20
Copper, Total	102	21	128	124		-	-		75-125	-		20
Iron, Total	20600	83.9	19900	0	Q	-	-		75-125	-		20
Lead, Total	708	44.5	890	409	Q	-	-		75-125	-		20
Magnesium, Total	1200	839	2680	176	Q	-	-		75-125	-		20
Manganese, Total	260	42	298	90		-	-		75-125	-		20
Nickel, Total	10.2	42	43.2	79		-	-		75-125	-		20
Potassium, Total	458	839	1270	97		-	-		75-125	-		20
Selenium, Total	0.311J	10.1	8.66	86		-	-		75-125	-		20
Silver, Total	1.76	25.2	24.6	91		-	-		75-125	-		20
Sodium, Total	336	839	1170	99		-	-		75-125	-		20
Thallium, Total	ND	10.1	7.59	75		-	-		75-125	-		20
Vanadium, Total	17.8	42	54.1	86		-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 352-362 SHEPERD AVE

Lab Number: L2145699

Project Number: 0201831-000

Report Date: 09/06/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1539504-3 QC Sample: L2145699-01 Client ID: SB-2 (0-2')									
Zinc, Total	463	42	498	83	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1539508-3 QC Sample: L2145699-02 Client ID: SB-2 (10-12')									
Mercury, Total	ND	0.131	0.137	104	-	-	80-120	-	20

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2145699
Report Date: 09/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1539504-4 QC Sample: L2145699-01 Client ID: SB-2 (0-2')						
Arsenic, Total	18.3	18.6	mg/kg	2		20
Lead, Total	708	542	mg/kg	27	Q	20

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2145699
Report Date: 09/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1539504-4 QC Sample: L2145699-01 Client ID: SB-2 (0-2')					
Aluminum, Total	5260	5330	mg/kg	1	20
Antimony, Total	75.5	70.7	mg/kg	7	20
Barium, Total	1060	850	mg/kg	22	Q 20
Beryllium, Total	0.320J	0.275J	mg/kg	NC	20
Cadmium, Total	2.08	1.88	mg/kg	10	20
Calcium, Total	2800	2780	mg/kg	1	20
Chromium, Total	28.2	27.4	mg/kg	3	20
Cobalt, Total	4.75	4.96	mg/kg	4	20
Copper, Total	102	89.0	mg/kg	14	20
Iron, Total	20600	18800	mg/kg	9	20
Magnesium, Total	1200	1280	mg/kg	6	20
Manganese, Total	260	254	mg/kg	2	20
Nickel, Total	10.2	10.2	mg/kg	0	20
Potassium, Total	458	447	mg/kg	2	20
Selenium, Total	0.311J	0.387J	mg/kg	NC	20
Silver, Total	1.76	2.56	mg/kg	37	Q 20
Sodium, Total	336	328	mg/kg	2	20
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	17.8	16.2	mg/kg	9	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1539504-4 QC Sample: L2145699-01 Client ID: SB-2 (0-2')					
Zinc, Total	463	436	mg/kg	6	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1539508-4 QC Sample: L2145699-02 Client ID: SB-2 (10-12')					
Mercury, Total	ND	ND	mg/kg	NC	20

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

**Lab Serial Dilution
Analysis**
Batch Quality Control

Lab Number: L2145699
Report Date: 09/06/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1539504-6 QC Sample: L2145699-01 Client ID: SB-2 (0-2')						
Lead, Total	708	708	mg/kg	0		20

INORGANICS & MISCELLANEOUS

Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2145699**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-01**Client ID:** SB-2 (0-2')**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Date Collected:** 08/25/21 09:17**Date Received:** 08/25/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	08/26/21 07:19	121,2540G	RI



Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2145699**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-02**Client ID:** SB-2 (10-12')**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Date Collected:** 08/25/21 09:22**Date Received:** 08/25/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	08/26/21 07:19	121,2540G	RI



Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2145699**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-03**Client ID:** SB-6 (0-2')**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Date Collected:** 08/25/21 13:35**Date Received:** 08/25/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	08/26/21 07:19	121,2540G	RI



Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2145699**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-04**Client ID:** SB-6 (10-12')**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Date Collected:** 08/25/21 13:40**Date Received:** 08/25/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.7		%	0.100	NA	1	-	08/26/21 07:19	121,2540G	RI



Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

SAMPLE RESULTS

Lab ID: L2145699-05

Client ID: SB-5 (0-2')

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:50

Date Received: 08/25/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	08/26/21 07:19	121,2540G	RI



Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2145699

Report Date: 09/06/21

SAMPLE RESULTS

Lab ID: L2145699-06

Client ID: SB-5 (10-12')

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/25/21 12:55

Date Received: 08/25/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	08/26/21 07:19	121,2540G	RI



Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2145699**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-07**Client ID:** SB-1 (0-2')**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Date Collected:** 08/25/21 14:12**Date Received:** 08/25/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	08/26/21 07:19	121,2540G	RI



Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2145699**Report Date:** 09/06/21**SAMPLE RESULTS****Lab ID:** L2145699-08**Client ID:** SB-1 (10-12')**Sample Location:** 352-362 SHEPERD AVE BROOKLYN, NY**Date Collected:** 08/25/21 14:16**Date Received:** 08/25/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.5		%	0.100	NA	1	-	08/26/21 07:19	121,2540G	RI



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2145699
Report Date: 09/06/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1539329-1 QC Sample: L2145699-01 Client ID: SB-2 (0-2')						
Solids, Total	89.6	90.2	%	1		20

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Serial_No: 09062117:27
Lab Number: L2145699
Report Date: 09/06/21

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145699-01A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2145699-01B	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2145699-01C	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2145699-01D	Plastic 120ml unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2145699-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),NI-Ti(180),CR-Ti(180),SB-Ti(180),ZN-Ti(180),PB-Ti(180),SE-Ti(180),CU-Ti(180),CO-Ti(180),V-Ti(180),MN-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L2145699-01F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2145699-01Y	Vial Water preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2145699-02A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2145699-02B	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-02C	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-02D	Plastic 120ml unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2145699-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),TL-Ti(180),SE-Ti(180),PB-Ti(180),SB-Ti(180),CU-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),MG-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),K-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180)
L2145699-02F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2145699-03A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2145699-03B	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-03C	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-03D	Plastic 120ml unpreserved	A	NA		4.4	Y	Absent		TS(7)

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Serial_No: 09062117:27
Lab Number: L2145699
Report Date: 09/06/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145699-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),AL-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),SB-Ti(180),SE-Ti(180),PB-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180),CA-Ti(180)
L2145699-03F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2145699-04A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2145699-04B	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-04C	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-04D	Plastic 120ml unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2145699-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),SB-Ti(180),CU-Ti(180),SE-Ti(180),ZN-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),MN-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),NA-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180)
L2145699-04F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2145699-05A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2145699-05B	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-05C	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-05D	Plastic 120ml unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2145699-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),SB-Ti(180),SE-Ti(180),CU-Ti(180),ZN-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),HG-T(28),FE-Ti(180),MG-Ti(180),MN-Ti(180),CA-Ti(180),NA-Ti(180),K-Ti(180),CD-Ti(180)
L2145699-05F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2145699-06A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2145699-06B	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-06C	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-06D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Serial_No: 09062117:27
Lab Number: L2145699
Report Date: 09/06/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2145699-06E	Plastic 120ml unpreserved	A	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),TL-Ti(180),ZN-Ti(180),CU-Ti(180),PB-Ti(180),SE-Ti(180),SB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),CD-Ti(180),K-Ti(180),CA-Ti(180),NA-Ti(180)
L2145699-06F	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),TL-Ti(180),ZN-Ti(180),CU-Ti(180),PB-Ti(180),SE-Ti(180),SB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),CD-Ti(180),K-Ti(180),CA-Ti(180),NA-Ti(180)
L2145699-06G	Plastic 8oz unpreserved	A	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2145699-06H	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2145699-07A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2145699-07B	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-07C	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-07D	Plastic 120ml unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2145699-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),CR-Ti(180),NI-Ti(180),PB-Ti(180),SE-Ti(180),CU-Ti(180),SB-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L2145699-07F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2145699-08A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2145699-08B	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-08C	Vial water preserved	A	NA		4.4	Y	Absent	26-AUG-21 03:11	NYTCL-8260HLW(14)
L2145699-08D	Plastic 120ml unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2145699-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),ZN-Ti(180),PB-Ti(180),SE-Ti(180),CU-Ti(180),SB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),K-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180)
L2145699-08F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Serial_No:09062117:27
Lab Number: L2145699
Report Date: 09/06/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSA's)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESA's)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCA's)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2145699
Report Date: 09/06/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



ANALYTICAL REPORT

Lab Number:	L2146257
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	352-362 SHEPERD AVE
Project Number:	0201831-000
Report Date:	09/02/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2146257
Report Date: 09/02/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2146257-01	SV-3	SOIL_VAPOR	352-362 SHEPERD AVE BROOKLYN, NY	08/27/21 12:14	08/27/21
L2146257-02	SV-4	SOIL_VAPOR	352-362 SHEPERD AVE BROOKLYN, NY	08/27/21 11:23	08/27/21

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2146257
Report Date: 09/02/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2146257
Report Date: 09/02/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 25, 2021. The canister certification results are provided as an addendum.

L2146257-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 09/02/21

AIR

Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2146257**Report Date:** 09/02/21**SAMPLE RESULTS**

Lab ID: L2146257-01 D
 Client ID: SV-3
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/27/21 12:14
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/02/21 00:50
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.655	0.286	--	3.24	1.41	--		1.429
Chloromethane	0.324	0.286	--	0.669	0.591	--		1.429
Freon-114	ND	0.286	--	ND	2.00	--		1.429
Vinyl chloride	ND	0.286	--	ND	0.731	--		1.429
1,3-Butadiene	1.33	0.286	--	2.94	0.633	--		1.429
Bromomethane	ND	0.286	--	ND	1.11	--		1.429
Chloroethane	ND	0.286	--	ND	0.755	--		1.429
Ethanol	64.1	7.14	--	121	13.5	--		1.429
Vinyl bromide	ND	0.286	--	ND	1.25	--		1.429
Acetone	170	1.43	--	404	3.40	--		1.429
Trichlorofluoromethane	0.558	0.286	--	3.14	1.61	--		1.429
Isopropanol	7.48	0.714	--	18.4	1.76	--		1.429
1,1-Dichloroethene	ND	0.286	--	ND	1.13	--		1.429
Tertiary butyl Alcohol	82.6	0.714	--	250	2.16	--		1.429
Methylene chloride	ND	0.714	--	ND	2.48	--		1.429
3-Chloropropene	ND	0.286	--	ND	0.895	--		1.429
Carbon disulfide	1.04	0.286	--	3.24	0.891	--		1.429
Freon-113	ND	0.286	--	ND	2.19	--		1.429
trans-1,2-Dichloroethene	ND	0.286	--	ND	1.13	--		1.429
1,1-Dichloroethane	ND	0.286	--	ND	1.16	--		1.429
Methyl tert butyl ether	ND	0.286	--	ND	1.03	--		1.429
2-Butanone	83.3	0.714	--	246	2.11	--		1.429
cis-1,2-Dichloroethene	ND	0.286	--	ND	1.13	--		1.429



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2146257**Project Number:** 0201831-000**Report Date:** 09/02/21**SAMPLE RESULTS**

Lab ID: L2146257-01 D

Date Collected: 08/27/21 12:14

Client ID: SV-3

Date Received: 08/27/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.714	--	ND	2.57	--		1.429
Chloroform	ND	0.286	--	ND	1.40	--		1.429
Tetrahydrofuran	1.60	0.714	--	4.72	2.11	--		1.429
1,2-Dichloroethane	ND	0.286	--	ND	1.16	--		1.429
n-Hexane	12.1	0.286	--	42.6	1.01	--		1.429
1,1,1-Trichloroethane	ND	0.286	--	ND	1.56	--		1.429
Benzene	7.16	0.286	--	22.9	0.914	--		1.429
Carbon tetrachloride	ND	0.286	--	ND	1.80	--		1.429
Cyclohexane	5.53	0.286	--	19.0	0.984	--		1.429
1,2-Dichloropropane	ND	0.286	--	ND	1.32	--		1.429
Bromodichloromethane	ND	0.286	--	ND	1.92	--		1.429
1,4-Dioxane	ND	0.286	--	ND	1.03	--		1.429
Trichloroethene	ND	0.286	--	ND	1.54	--		1.429
2,2,4-Trimethylpentane	31.0	0.286	--	145	1.34	--		1.429
Heptane	6.80	0.286	--	27.9	1.17	--		1.429
cis-1,3-Dichloropropene	ND	0.286	--	ND	1.30	--		1.429
4-Methyl-2-pentanone	1.44	0.714	--	5.90	2.93	--		1.429
trans-1,3-Dichloropropene	ND	0.286	--	ND	1.30	--		1.429
1,1,2-Trichloroethane	ND	0.286	--	ND	1.56	--		1.429
Toluene	31.3	0.286	--	118	1.08	--		1.429
2-Hexanone	15.0	0.286	--	61.5	1.17	--		1.429
Dibromochloromethane	ND	0.286	--	ND	2.44	--		1.429
1,2-Dibromoethane	ND	0.286	--	ND	2.20	--		1.429
Tetrachloroethene	ND	0.286	--	ND	1.94	--		1.429
Chlorobenzene	ND	0.286	--	ND	1.32	--		1.429
Ethylbenzene	5.92	0.286	--	25.7	1.24	--		1.429



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2146257**Project Number:** 0201831-000**Report Date:** 09/02/21**SAMPLE RESULTS**

Lab ID: L2146257-01 D

Date Collected: 08/27/21 12:14

Client ID: SV-3

Date Received: 08/27/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	20.3	0.571	--	88.2	2.48	--		1.429
Bromoform	ND	0.286	--	ND	2.96	--		1.429
Styrene	0.286	0.286	--	1.22	1.22	--		1.429
1,1,2,2-Tetrachloroethane	ND	0.286	--	ND	1.96	--		1.429
o-Xylene	9.04	0.286	--	39.3	1.24	--		1.429
4-Ethyltoluene	0.780	0.286	--	3.83	1.41	--		1.429
1,3,5-Trimethylbenzene	1.38	0.286	--	6.78	1.41	--		1.429
1,2,4-Trimethylbenzene	4.38	0.286	--	21.5	1.41	--		1.429
Benzyl chloride	ND	0.286	--	ND	1.48	--		1.429
1,3-Dichlorobenzene	ND	0.286	--	ND	1.72	--		1.429
1,4-Dichlorobenzene	ND	0.286	--	ND	1.72	--		1.429
1,2-Dichlorobenzene	ND	0.286	--	ND	1.72	--		1.429
1,2,4-Trichlorobenzene	ND	0.286	--	ND	2.12	--		1.429
Hexachlorobutadiene	ND	0.286	--	ND	3.05	--		1.429

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	123		60-140
Bromochloromethane	116		60-140
chlorobenzene-d5	120		60-140



Project Name: 352-362 SHEPERD AVE**Project Number:** 0201831-000**Lab Number:** L2146257**Report Date:** 09/02/21**SAMPLE RESULTS**

Lab ID: L2146257-02
 Client ID: SV-4
 Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:23
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/02/21 01:30
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.403	0.200	--	1.99	0.989	--		1
Chloromethane	0.504	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.59	0.200	--	3.52	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	97.2	5.00	--	183	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	32.2	1.00	--	76.5	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.53	0.500	--	3.76	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	14.5	0.500	--	44.0	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.471	0.200	--	1.47	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	47.2	0.500	--	139	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2146257**Project Number:** 0201831-000**Report Date:** 09/02/21**SAMPLE RESULTS**

Lab ID: L2146257-02

Date Collected: 08/27/21 11:23

Client ID: SV-4

Date Received: 08/27/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.359	0.200	--	1.75	0.977	--		1
Tetrahydrofuran	1.27	0.500	--	3.75	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	20.1	0.200	--	70.8	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	5.24	0.200	--	16.7	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	7.82	0.200	--	26.9	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	18.8	0.200	--	87.8	0.934	--		1
Heptane	7.73	0.200	--	31.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.930	0.500	--	3.81	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	24.0	0.200	--	90.4	0.754	--		1
2-Hexanone	7.90	0.200	--	32.4	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.53	0.200	--	17.2	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	4.61	0.200	--	20.0	0.869	--		1



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2146257**Project Number:** 0201831-000**Report Date:** 09/02/21**SAMPLE RESULTS**

Lab ID: L2146257-02

Date Collected: 08/27/21 11:23

Client ID: SV-4

Date Received: 08/27/21

Sample Location: 352-362 SHEPERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	16.1	0.400	--	69.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.247	0.200	--	1.05	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	6.95	0.200	--	30.2	0.869	--		1
4-Ethyltoluene	1.01	0.200	--	4.97	0.983	--		1
1,3,5-Trimethylbenzene	1.43	0.200	--	7.03	0.983	--		1
1,2,4-Trimethylbenzene	4.85	0.200	--	23.8	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	122		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	107		60-140



Project Name: 352-362 SHEPERD AVE

Lab Number: L2146257

Project Number: 0201831-000

Report Date: 09/02/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/01/21 15:00

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1541881-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: 352-362 SHEPERD AVE

Lab Number: L2146257

Project Number: 0201831-000

Report Date: 09/02/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/01/21 15:00

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1541881-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: 352-362 SHEPERD AVE

Lab Number: L2146257

Project Number: 0201831-000

Report Date: 09/02/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/01/21 15:00

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1541881-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2146257

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1541881-3								
Dichlorodifluoromethane	111		-		70-130	-		
Chloromethane	100		-		70-130	-		
Freon-114	110		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	104		-		70-130	-		
Bromomethane	104		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethanol	98		-		40-160	-		
Vinyl bromide	104		-		70-130	-		
Acetone	71		-		40-160	-		
Trichlorofluoromethane	108		-		70-130	-		
Isopropanol	69		-		40-160	-		
1,1-Dichloroethene	84		-		70-130	-		
Tertiary butyl Alcohol	77		-		70-130	-		
Methylene chloride	105		-		70-130	-		
3-Chloropropene	85		-		70-130	-		
Carbon disulfide	88		-		70-130	-		
Freon-113	94		-		70-130	-		
trans-1,2-Dichloroethene	75		-		70-130	-		
1,1-Dichloroethane	79		-		70-130	-		
Methyl tert butyl ether	99		-		70-130	-		
2-Butanone	89		-		70-130	-		
cis-1,2-Dichloroethene	80		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2146257

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1541881-3								
Ethyl Acetate	77		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	81		-		70-130	-		
1,2-Dichloroethane	96		-		70-130	-		
n-Hexane	83		-		70-130	-		
1,1,1-Trichloroethane	107		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	120		-		70-130	-		
Cyclohexane	83		-		70-130	-		
1,2-Dichloropropane	82		-		70-130	-		
Bromodichloromethane	105		-		70-130	-		
1,4-Dioxane	90		-		70-130	-		
Trichloroethene	92		-		70-130	-		
2,2,4-Trimethylpentane	87		-		70-130	-		
Heptane	96		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	102		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	95		-		70-130	-		
Toluene	82		-		70-130	-		
2-Hexanone	97		-		70-130	-		
Dibromochloromethane	104		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPERD AVE

Project Number: 0201831-000

Lab Number: L2146257

Report Date: 09/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1541881-3								
Tetrachloroethene	97		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	93		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	106		-		70-130	-		
1,1,2,2-Tetrachloroethane	101		-		70-130	-		
o-Xylene	103		-		70-130	-		
4-Ethyltoluene	109		-		70-130	-		
1,3,5-Trimethylbenzene	113		-		70-130	-		
1,2,4-Trimethylbenzene	118		-		70-130	-		
Benzyl chloride	107		-		70-130	-		
1,3-Dichlorobenzene	115		-		70-130	-		
1,4-Dichlorobenzene	116		-		70-130	-		
1,2-Dichlorobenzene	116		-		70-130	-		
1,2,4-Trichlorobenzene	115		-		70-130	-		
Hexachlorobutadiene	121		-		70-130	-		

Project Name: 352-362 SHEPERD AVE

Serial_No:09022113:04
Lab Number: L2146257

Project Number: 0201831-000

Report Date: 09/02/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2146257-01	SV-3	0045	Flow 3	08/25/21	361999		-	-	-	Pass	18.0	17.5	3
L2146257-01	SV-3	534	2.7L Can	08/25/21	361999	L2144248-04	Pass	-29.5	-4.8	-	-	-	-
L2146257-02	SV-4	02099	Flow 3	08/25/21	361999		-	-	-	Pass	18.0	17.5	3
L2146257-02	SV-4	2552	2.7L Can	08/25/21	361999	L2144248-04	Pass	-29.5	0.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 09/02/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/22/21 18:08
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 09/02/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 09/02/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 09/02/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2144248**Project Number:** CANISTER QC BAT**Report Date:** 09/02/21**Air Canister Certification Results**

Lab ID: L2144248-04

Date Collected: 08/18/21 09:00

Client ID: CAN 335 SHELF 2

Date Received: 08/18/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 09/02/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/22/21 18:08
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2144248
Report Date: 09/02/21

Air Canister Certification Results

Lab ID: L2144248-04
Client ID: CAN 335 SHELF 2
Sample Location:

Date Collected: 08/18/21 09:00
Date Received: 08/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2144248**Project Number:** CANISTER QC BAT**Report Date:** 09/02/21**Air Canister Certification Results**

Lab ID: L2144248-04

Date Collected: 08/18/21 09:00

Client ID: CAN 335 SHELF 2

Date Received: 08/18/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140



Project Name: 352-362 SHEPERD AVE**Lab Number:** L2146257**Project Number:** 0201831-000**Report Date:** 09/02/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146257-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2146257-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2146257
Report Date: 09/02/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2146257
Report Date: 09/02/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2146257
Report Date: 09/02/21

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 352-362 SHEPERD AVE
Project Number: 0201831-000

Lab Number: L2146257
Report Date: 09/02/21

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA Job #: 22146257

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

ANALYSIS

TO-15
TO-15 SIM
APH
Fixed Gases
Sulfides & Mercaptans by TO-15

Sample Comments (i.e. PID)

Container Type	CS

Date/Time:

8/27/21 1330
- 220
8/28/21 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L2146282
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	352-362 SHEPHERD AVE
Project Number:	0201831-000
Report Date:	09/03/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2146282-01	TW-1	WATER	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 08:50	08/27/21
L2146282-02	TW-3	WATER	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 11:10	08/27/21
L2146282-03	TW-4	WATER	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 10:30	08/27/21
L2146282-04	DUP-20210827	WATER	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 00:00	08/27/21
L2146282-05	FIELD BLANK	WATER	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 11:35	08/27/21
L2146282-06	TRIP BLANK	WATER	352-362 SHEPHERD AVE BROOKLYN, NY	08/25/21 00:00	08/27/21

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

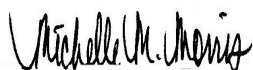
L2146282-01 and -04: The sample was centrifuged and decanted prior to extraction due to sample matrix.

Total Metals

L2146282-05: The Field Blank has a concentration above the reporting limit for Sodium. The results were confirmed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 09/03/21

ORGANICS

VOLATILES

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-01
 Client ID: TW-1
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 08:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/21 11:44
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.1		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-01

Date Collected: 08/27/21 08:50

Client ID: TW-1

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-01**Date Collected:** 08/27/21 08:50**Client ID:** TW-1**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-02
 Client ID: TW-3
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:10
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/21 12:07
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.1	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.3		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-02**Date Collected:** 08/27/21 11:10**Client ID:** TW-3**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-02

Date Collected: 08/27/21 11:10

Client ID: TW-3

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-03
 Client ID: TW-4
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 10:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/21 12:31
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.7	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.4		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-03**Date Collected:** 08/27/21 10:30**Client ID:** TW-4**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-03**Date Collected:** 08/27/21 10:30**Client ID:** TW-4**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-04
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/21 12:54
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.1		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-04
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-04

Date Collected: 08/27/21 00:00

Client ID: DUP-20210827

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-05
 Client ID: FIELD BLANK
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/21 10:57
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-05
 Client ID: FIELD BLANK
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-05
Client ID: FIELD BLANK
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-06
 Client ID: TRIP BLANK
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/25/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/21 11:21
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-06

Date Collected: 08/25/21 00:00

Client ID: TRIP BLANK

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-06

Date Collected: 08/25/21 00:00

Client ID: TRIP BLANK

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/21 09:47
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1541403-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/21 09:47
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1541403-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/21 09:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1541403-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1541403-3 WG1541403-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	99		100		63-130	1		20
1,1,2-Trichloroethane	93		95		70-130	2		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	99		98		75-130	1		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	97		98		70-130	1		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	92		96		54-136	4		20
1,1,2,2-Tetrachloroethane	88		91		67-130	3		20
Benzene	110		110		70-130	0		20
Toluene	96		95		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	110		120		39-139	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1541403-3 WG1541403-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	98		96		70-130	2		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	98		100		64-130	2		20
Acrylonitrile	100		110		70-130	10		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	140		110		58-148	24	Q	20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	100		100		63-138	0		20
Vinyl acetate	95		98		70-130	3		20
4-Methyl-2-pentanone	95		97		59-130	2		20
2-Hexanone	97		99		57-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1541403-3 WG1541403-4								
Bromochloromethane	110		120		70-130	9		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	97		99		70-130	2		20
1,3-Dichloropropane	94		96		70-130	2		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		99		70-130	1		20
1,2-Dibromo-3-chloropropane	97		100		41-144	3		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	84		96		70-130	13		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	84		94		70-130	11		20
1,2,4-Trichlorobenzene	93		95		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	118		150		56-162	24	Q	20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1541403-3 WG1541403-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	97		100		59-134	3		20
trans-1,4-Dichloro-2-butene	96		96		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		105		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-01
 Client ID: TW-1
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 08:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 16:36
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-01**Date Collected:** 08/27/21 08:50**Client ID:** TW-1**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	72		41-149

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-01
 Client ID: TW-1
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 08:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 08/29/21 18:11
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.10	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-01

Date Collected: 08/27/21 08:50

Client ID: TW-1

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	65		41-149

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-01
Client ID: TW-1
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 08:50
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/21 12:44
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 09/02/21 15:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	45			15-110		

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-01
 Client ID: TW-1
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 08:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 08/30/21 19:44
 Analyst: RS

Extraction Method: ALPHA 23528
 Extraction Date: 08/30/21 07:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.29		ng/l	1.85	0.377	1
Perfluoropentanoic Acid (PFPeA)	13.4		ng/l	1.85	0.366	1
Perfluorobutanesulfonic Acid (PFBS)	7.31		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	11.3		ng/l	1.85	0.303	1
Perfluoroheptanoic Acid (PFHpA)	7.11		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	1.64	J	ng/l	1.85	0.348	1
Perfluorooctanoic Acid (PFOA)	25.7		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.636	1
Perfluorononanoic Acid (PFNA)	2.42		ng/l	1.85	0.289	1
Perfluorooctanesulfonic Acid (PFOS)	18.5		ng/l	1.85	0.466	1
Perfluorodecanoic Acid (PFDA)	0.285	J	ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.599	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.906	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.536	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.744	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.303	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.229	1
PFOA/PFOS, Total	44.2		ng/l	1.85	0.218	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-01**Date Collected:** 08/27/21 08:50**Client ID:** TW-1**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	120		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		22-136

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-02
 Client ID: TW-3
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:10
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 16:59
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-02**Date Collected:** 08/27/21 11:10**Client ID:** TW-3**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	65		41-149

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-02
 Client ID: TW-3
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:10
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 08/29/21 18:29
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.03	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.08	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.09	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-02**Date Collected:** 08/27/21 11:10**Client ID:** TW-3**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	57		41-149

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-02
Client ID: TW-3
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:10
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/21 13:06
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 09/02/21 15:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	50			15-110		

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-02
 Client ID: TW-3
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:10
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 08/30/21 20:01
 Analyst: RS

Extraction Method: ALPHA 23528
 Extraction Date: 08/30/21 07:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	16.2		ng/l	1.78	0.363	1
Perfluoropentanoic Acid (PFPeA)	33.5		ng/l	1.78	0.352	1
Perfluorobutanesulfonic Acid (PFBS)	35.0		ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	30.0		ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	17.3		ng/l	1.78	0.200	1
Perfluorohexanesulfonic Acid (PFHxS)	6.13		ng/l	1.78	0.335	1
Perfluorooctanoic Acid (PFOA)	77.0		ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.18	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.804	J	ng/l	1.78	0.612	1
Perfluorononanoic Acid (PFNA)	5.57		ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	24.8		ng/l	1.78	0.448	1
Perfluorodecanoic Acid (PFDA)	0.288	JF	ng/l	1.78	0.270	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.577	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.231	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.872	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.516	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.716	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.331	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.291	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	102		ng/l	1.78	0.210	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-02**Date Collected:** 08/27/21 11:10**Client ID:** TW-3**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	70		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	69		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	67		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	70		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	70		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	125		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	47		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		22-136

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-03
 Client ID: TW-4
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 10:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 17:21
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-03**Date Collected:** 08/27/21 10:30**Client ID:** TW-4**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	75		41-149

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-03
 Client ID: TW-4
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 10:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 08/29/21 18:48
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.05	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-03

Date Collected: 08/27/21 10:30

Client ID: TW-4

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	71		41-149

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-03
Client ID: TW-4
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 10:30
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/21 13:29
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 09/02/21 15:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	44			15-110		

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-03
 Client ID: TW-4
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 10:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 08/30/21 20:34
 Analyst: RS

Extraction Method: ALPHA 23528
 Extraction Date: 08/30/21 07:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	8.37		ng/l	1.78	0.364	1
Perfluoropentanoic Acid (PFPeA)	10.6		ng/l	1.78	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	7.41		ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	12.3		ng/l	1.78	0.293	1
Perfluoroheptanoic Acid (PFHpA)	8.71		ng/l	1.78	0.201	1
Perfluorohexanesulfonic Acid (PFHxS)	2.75		ng/l	1.78	0.336	1
Perfluorooctanoic Acid (PFOA)	58.5		ng/l	1.78	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.614	1
Perfluorononanoic Acid (PFNA)	2.01		ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	20.5		ng/l	1.78	0.450	1
Perfluorodecanoic Acid (PFDA)	0.539	J	ng/l	1.78	0.271	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.579	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.232	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.875	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.518	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.718	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.332	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.292	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	79.0		ng/l	1.78	0.211	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-03**Date Collected:** 08/27/21 10:30**Client ID:** TW-4**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	75		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	70		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	68		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	85		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	55		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		22-136

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-04
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 17:44
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-04**Date Collected:** 08/27/21 00:00**Client ID:** DUP-20210827**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	78		41-149

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-04
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 08/29/21 19:07
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-04**Date Collected:** 08/27/21 00:00**Client ID:** DUP-20210827**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	75		41-149

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-04
Client ID: DUP-20210827
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/21 13:51
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 09/02/21 15:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	45			15-110		

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-04
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 08/30/21 21:23
 Analyst: RS

Extraction Method: ALPHA 23528
 Extraction Date: 08/30/21 07:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.24		ng/l	1.95	0.398	1
Perfluoropentanoic Acid (PFPeA)	13.3		ng/l	1.95	0.387	1
Perfluorobutanesulfonic Acid (PFBS)	7.43		ng/l	1.95	0.232	1
Perfluorohexanoic Acid (PFHxA)	11.5		ng/l	1.95	0.320	1
Perfluoroheptanoic Acid (PFHpA)	6.76		ng/l	1.95	0.220	1
Perfluorohexanesulfonic Acid (PFHxS)	1.66	J	ng/l	1.95	0.367	1
Perfluorooctanoic Acid (PFOA)	25.9		ng/l	1.95	0.230	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.95	1.30	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.95	0.672	1
Perfluorononanoic Acid (PFNA)	2.29		ng/l	1.95	0.305	1
Perfluorooctanesulfonic Acid (PFOS)	18.5		ng/l	1.95	0.492	1
Perfluorodecanoic Acid (PFDA)	0.328	J	ng/l	1.95	0.297	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.95	1.18	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.95	0.633	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.95	0.254	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.95	0.957	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.95	0.566	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.95	0.785	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.95	0.363	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.95	0.319	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.95	0.242	1
PFOA/PFOS, Total	44.4		ng/l	1.95	0.230	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-04

Date Collected: 08/27/21 00:00

Client ID: DUP-20210827

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	114		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	90		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	102		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	58		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		22-136

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-05
 Client ID: FIELD BLANK
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 18:06
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.6	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-05
 Client ID: FIELD BLANK
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	32		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	76		41-149

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-05
 Client ID: FIELD BLANK
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 08/29/21 19:26
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 08/29/21 02:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	0.03	J	ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.03	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.02	J	ug/l	0.10	0.02	1
Pentachlorophenol	0.14	J	ug/l	0.80	0.01	1
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-05

Date Collected: 08/27/21 11:35

Client ID: FIELD BLANK

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	33		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	74		41-149

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-05
Client ID: FIELD BLANK
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/21 14:14
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 09/02/21 15:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	52			15-110		

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-05
 Client ID: FIELD BLANK
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 08/30/21 21:40
 Analyst: RS

Extraction Method: ALPHA 23528
 Extraction Date: 08/30/21 07:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.81	0.369	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.81	0.358	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.81	0.215	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.81	0.296	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.81	0.340	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.81	0.213	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.622	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.282	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.81	0.456	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.275	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.586	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.235	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.886	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.524	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.727	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.336	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.296	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.224	1
PFOA/PFOS, Total	ND		ng/l	1.81	0.213	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-05

Date Collected: 08/27/21 11:35

Client ID: FIELD BLANK

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	113		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	107		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		22-136

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/21 00:54
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/28/21 16:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1540325-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/21 00:54
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/28/21 16:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1540325-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/21 00:54
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/28/21 16:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1540325-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	66		41-149

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/21 14:43
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 08/28/21 16:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1540326-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.07	J	ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/29/21 14:43
 Analyst: RP

Extraction Method: EPA 3510C
 Extraction Date: 08/28/21 16:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1540326-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	68		41-149

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/21 17:48
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/30/21 07:20

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05 Batch: WG1540526-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/21 17:48
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/30/21 07:20

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05 Batch: WG1540526-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	115		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		22-136

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/21 10:32
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 09/02/21 15:32

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1542339-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	43		15-110

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1540325-2 WG1540325-3								
Acenaphthene	84		69		37-111	20		30
1,2,4-Trichlorobenzene	77		66		39-98	15		30
Hexachlorobenzene	80		69		40-140	15		30
Bis(2-chloroethyl)ether	79		67		40-140	16		30
2-Chloronaphthalene	78		66		40-140	17		30
1,2-Dichlorobenzene	76		66		40-140	14		30
1,3-Dichlorobenzene	77		65		40-140	17		30
1,4-Dichlorobenzene	76		66		36-97	14		30
3,3'-Dichlorobenzidine	66		57		40-140	15		30
2,4-Dinitrotoluene	90		78		48-143	14		30
2,6-Dinitrotoluene	93		80		40-140	15		30
Fluoranthene	82		70		40-140	16		30
4-Chlorophenyl phenyl ether	82		68		40-140	19		30
4-Bromophenyl phenyl ether	87		72		40-140	19		30
Bis(2-chloroisopropyl)ether	82		68		40-140	19		30
Bis(2-chloroethoxy)methane	81		69		40-140	16		30
Hexachlorobutadiene	73		60		40-140	20		30
Hexachlorocyclopentadiene	71		58		40-140	20		30
Hexachloroethane	76		63		40-140	19		30
Isophorone	82		68		40-140	19		30
Naphthalene	78		64		40-140	20		30
Nitrobenzene	87		75		40-140	15		30
NDPA/DPA	86		71		40-140	19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1540325-2 WG1540325-3								
n-Nitrosodi-n-propylamine	87		72		29-132	19		30
Bis(2-ethylhexyl)phthalate	85		77		40-140	10		30
Butyl benzyl phthalate	88		81		40-140	8		30
Di-n-butylphthalate	84		73		40-140	14		30
Di-n-octylphthalate	86		75		40-140	14		30
Diethyl phthalate	85		73		40-140	15		30
Dimethyl phthalate	82		71		40-140	14		30
Benzo(a)anthracene	91		78		40-140	15		30
Benzo(a)pyrene	86		71		40-140	19		30
Benzo(b)fluoranthene	89		72		40-140	21		30
Benzo(k)fluoranthene	90		73		40-140	21		30
Chrysene	88		73		40-140	19		30
Acenaphthylene	82		68		45-123	19		30
Anthracene	87		72		40-140	19		30
Benzo(ghi)perylene	93		73		40-140	24		30
Fluorene	86		71		40-140	19		30
Phenanthrene	85		70		40-140	19		30
Dibenzo(a,h)anthracene	94		76		40-140	21		30
Indeno(1,2,3-cd)pyrene	98		79		40-140	21		30
Pyrene	78		66		26-127	17		30
Biphenyl	82		69		40-140	17		30
4-Chloroaniline	66		52		40-140	24		30
2-Nitroaniline	96		83		52-143	15		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1540325-2 WG1540325-3								
3-Nitroaniline	78		69		25-145	12		30
4-Nitroaniline	91		75		51-143	19		30
Dibenzofuran	82		68		40-140	19		30
2-Methylnaphthalene	82		67		40-140	20		30
1,2,4,5-Tetrachlorobenzene	79		66		2-134	18		30
Acetophenone	81		68		39-129	17		30
2,4,6-Trichlorophenol	88		75		30-130	16		30
p-Chloro-m-cresol	83		72		23-97	14		30
2-Chlorophenol	87		71		27-123	20		30
2,4-Dichlorophenol	87		76		30-130	13		30
2,4-Dimethylphenol	82		73		30-130	12		30
2-Nitrophenol	110		93		30-130	17		30
4-Nitrophenol	88	Q	74		10-80	17		30
2,4-Dinitrophenol	111		99		20-130	11		30
4,6-Dinitro-o-cresol	114		97		20-164	16		30
Pentachlorophenol	85		81		9-103	5		30
Phenol	63		52		12-110	19		30
2-Methylphenol	78		67		30-130	15		30
3-Methylphenol/4-Methylphenol	86		74		30-130	15		30
2,4,5-Trichlorophenol	85		73		30-130	15		30
Benzoic Acid	81		77		10-164	5		30
Benzyl Alcohol	79		64		26-116	21		30
Carbazole	82		68		55-144	19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1540325-2 WG1540325-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		58		21-120
Phenol-d6	59		48		10-120
Nitrobenzene-d5	88		75		23-120
2-Fluorobiphenyl	71		61		15-120
2,4,6-Tribromophenol	97		83		10-120
4-Terphenyl-d14	74		63		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1540326-2 WG1540326-3								
Acenaphthene	106		67		40-140	45	Q	40
2-Chloronaphthalene	75		47		40-140	46	Q	40
Fluoranthene	83		70		40-140	17		40
Hexachlorobutadiene	68		54		40-140	23		40
Naphthalene	76		70		40-140	8		40
Benzo(a)anthracene	85		71		40-140	18		40
Benzo(a)pyrene	87		75		40-140	15		40
Benzo(b)fluoranthene	87		81		40-140	7		40
Benzo(k)fluoranthene	86		76		40-140	12		40
Chrysene	84		71		40-140	17		40
Acenaphthylene	76		47		40-140	47	Q	40
Anthracene	82		70		40-140	16		40
Benzo(ghi)perylene	89		65		40-140	31		40
Fluorene	107		69		40-140	43	Q	40
Phenanthrene	81		69		40-140	16		40
Dibenzo(a,h)anthracene	95		67		40-140	35		40
Indeno(1,2,3-cd)pyrene	89		61		40-140	37		40
Pyrene	82		70		40-140	16		40
2-Methylnaphthalene	74		47		40-140	45	Q	40
Pentachlorophenol	111		93		40-140	18		40
Hexachlorobenzene	74		64		40-140	14		40
Hexachloroethane	69		59		40-140	16		40

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1540326-2 WG1540326-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		49		21-120
Phenol-d6	72		40		10-120
Nitrobenzene-d5	69		64		23-120
2-Fluorobiphenyl	68		43		15-120
2,4,6-Tribromophenol	78		57		10-120
4-Terphenyl-d14	76		64		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 Batch: WG1540526-2								
Perfluorobutanoic Acid (PFBA)	101		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	98		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	102		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	109		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	92		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	105		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	98		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	99		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	100		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	103		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	94		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	100		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	99		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	121		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	104		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 Batch: WG1540526-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	110				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	116				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	110				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	128				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	114				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	119				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	110				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	130				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	114				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	110				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95				22-136

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1542339-2 WG1542339-3								
1,4-Dioxane	108		109		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	43		47		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1540526-3 QC Sample: L2146282-02 Client ID: TW-3												
Perfluorobutanoic Acid (PFBA)	16.2	37	52.7	99	-	-	-	-	67-148	-	-	30
Perfluoropentanoic Acid (PFPeA)	33.5	37	68.2	94	-	-	-	-	63-161	-	-	30
Perfluorobutanesulfonic Acid (PFBS)	35.0	32.9	66.9	97	-	-	-	-	65-157	-	-	30
Perfluorohexanoic Acid (PFHxA)	30.0	37	66.3	98	-	-	-	-	69-168	-	-	30
Perfluoroheptanoic Acid (PFHpA)	17.3	37	53.7	98	-	-	-	-	58-159	-	-	30
Perfluorohexanesulfonic Acid (PFHxS)	6.13	33.8	40.2	101	-	-	-	-	69-177	-	-	30
Perfluorooctanoic Acid (PFOA)	77.0	37	115	103	-	-	-	-	63-159	-	-	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.2	36.4	103	-	-	-	-	49-187	-	-	30
Perfluoroheptanesulfonic Acid (PFHpS)	0.804J	35.2	37.3	104	-	-	-	-	61-179	-	-	30
Perfluorononanoic Acid (PFNA)	5.57	37	40.7	95	-	-	-	-	68-171	-	-	30
Perfluorooctanesulfonic Acid (PFOS)	24.8	34.4	61.8	108	-	-	-	-	52-151	-	-	30
Perfluorodecanoic Acid (PFDA)	0.288JF	37	37.9	102	-	-	-	-	63-171	-	-	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.5	38.5	108	-	-	-	-	56-173	-	-	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37	37.5	101	-	-	-	-	60-166	-	-	30
Perfluoroundecanoic Acid (PFUnA)	ND	37	37.2	100	-	-	-	-	60-153	-	-	30
Perfluorodecanesulfonic Acid (PFDS)	ND	35.7	34.4	96	-	-	-	-	38-156	-	-	30
Perfluorooctanesulfonamide (FOSA)	ND	37	34.3F	93	-	-	-	-	46-170	-	-	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37	35.2	95	-	-	-	-	45-170	-	-	30
Perfluorododecanoic Acid (PFDoA)	ND	37	38.1	103	-	-	-	-	67-153	-	-	30
Perfluorotridecanoic Acid (PFTrDA)	ND	37	47.7	129	-	-	-	-	48-158	-	-	30
Perfluorotetradecanoic Acid (PFTA)	ND	37	37.6	102	-	-	-	-	59-182	-	-	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1540526-3 QC Sample: L2146282-02 Client ID: TW-3												

Surrogate (Extracted Internal Standard)	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	122				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	73				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110				70-131

Lab Duplicate Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1540526-4 QC Sample: L2146282-03 Client ID: TW-4						
Perfluorobutanoic Acid (PFBA)	8.37	8.16	ng/l	3		30
Perfluoropentanoic Acid (PFPeA)	10.6	10.5	ng/l	1		30
Perfluorobutanesulfonic Acid (PFBS)	7.41	7.28	ng/l	2		30
Perfluorohexanoic Acid (PFHxA)	12.3	12.4	ng/l	1		30
Perfluoroheptanoic Acid (PFHpA)	8.71	8.62	ng/l	1		30
Perfluorohexanesulfonic Acid (PFHxS)	2.75	2.73	ng/l	1		30
Perfluorooctanoic Acid (PFOA)	58.5	57.2	ng/l	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	2.01	2.07	ng/l	3		30
Perfluorooctanesulfonic Acid (PFOS)	20.5	20.9	ng/l	2		30
Perfluorodecanoic Acid (PFDA)	0.539J	0.512J	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1540526-4 QC Sample: L2146282-03 Client ID: TW-4						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73		78		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	75		81		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		113		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		80		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	70		80		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		115		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	68		78		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	85		85		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		85		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		112		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		84		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		93		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	55		61		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		89		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		11		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		60		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		88		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		73		22-136

PCBS

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-01
Client ID: TW-1
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 08:50
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/31/21 13:48
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 08/30/21 10:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-02
 Client ID: TW-3
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:10
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 08/31/21 13:56
 Analyst: JAW

Extraction Method: EPA 3510C
 Extraction Date: 08/30/21 10:40
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-03
Client ID: TW-4
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 10:30
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/31/21 14:03
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 08/30/21 10:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-04
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 08/31/21 14:11
 Analyst: JAW

Extraction Method: EPA 3510C
 Extraction Date: 08/30/21 10:40
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-05
Client ID: FIELD BLANK
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/31/21 14:19
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 08/30/21 10:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/31/21 13:17
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 08/30/21 10:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1540658-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1540658-2 WG1540658-3									
Aroclor 1016	64		64		40-140	0		50	A
Aroclor 1260	81		72		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		62		30-150	A
Decachlorobiphenyl	56		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		64		30-150	B
Decachlorobiphenyl	56		62		30-150	B

PESTICIDES

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-01
 Client ID: TW-1
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 08:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 09/01/21 18:45
 Analyst: SDC

Extraction Method: EPA 3510C
 Extraction Date: 08/30/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-01**Date Collected:** 08/27/21 08:50**Client ID:** TW-1**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-02
 Client ID: TW-3
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:10
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 09/01/21 18:57
 Analyst: SDC

Extraction Method: EPA 3510C
 Extraction Date: 08/30/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.055		ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-02**Date Collected:** 08/27/21 11:10**Client ID:** TW-3**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-03
 Client ID: TW-4
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 10:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 09/01/21 19:10
 Analyst: SDC

Extraction Method: EPA 3510C
 Extraction Date: 08/30/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.004	JP	ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-03

Date Collected: 08/27/21 10:30

Client ID: TW-4

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-04
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 09/01/21 19:23
 Analyst: SDC

Extraction Method: EPA 3510C
 Extraction Date: 08/30/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.008	J	ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-04**Date Collected:** 08/27/21 00:00**Client ID:** DUP-20210827**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-05
 Client ID: FIELD BLANK
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 11:35
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 09/01/21 19:35
 Analyst: SDC

Extraction Method: EPA 3510C
 Extraction Date: 08/30/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS****Lab ID:** L2146282-05**Date Collected:** 08/27/21 11:35**Client ID:** FIELD BLANK**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/01/21 17:54
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 08/30/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1540671-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/01/21 17:54
 Analyst: SDC

Extraction Method: EPA 3510C
 Extraction Date: 08/30/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1540671-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1540671-2 WG1540671-3									
Delta-BHC	73		61		30-150	18		20	A
Lindane	76		63		30-150	19		20	A
Alpha-BHC	75		62		30-150	20		20	A
Beta-BHC	68		57		30-150	17		20	A
Heptachlor	72		61		30-150	16		20	A
Aldrin	69		59		30-150	16		20	A
Heptachlor epoxide	68		60		30-150	12		20	A
Endrin	66		62		30-150	7		20	A
Endrin aldehyde	59		53		30-150	11		20	A
Endrin ketone	74		63		30-150	16		20	A
Dieldrin	73		64		30-150	13		20	A
4,4'-DDE	68		61		30-150	11		20	A
4,4'-DDD	77		72		30-150	7		20	A
4,4'-DDT	70		63		30-150	10		20	A
Endosulfan I	65		57		30-150	12		20	A
Endosulfan II	69		62		30-150	11		20	A
Endosulfan sulfate	66		58		30-150	14		20	A
Methoxychlor	67		62		30-150	8		20	A
cis-Chlordane	60		55		30-150	8		20	A
trans-Chlordane	69		62		30-150	11		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1540671-2 WG1540671-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		52		30-150	A
Decachlorobiphenyl	64		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		52		30-150	B
Decachlorobiphenyl	69		65		30-150	B

METALS

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-01

Date Collected: 08/27/21 08:50

Client ID: TW-1

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.544		mg/l	0.0100	0.00327	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Antimony, Total	0.00056	J	mg/l	0.00400	0.00042	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00017	J	mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Barium, Total	0.03520		mg/l	0.00050	0.00017	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Calcium, Total	20.0		mg/l	0.100	0.0394	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Chromium, Total	0.00315		mg/l	0.00100	0.00017	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00162		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Copper, Total	0.00142		mg/l	0.00100	0.00038	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Iron, Total	1.27		mg/l	0.0500	0.0191	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Lead, Total	0.00075	J	mg/l	0.00100	0.00034	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Magnesium, Total	2.64		mg/l	0.0700	0.0242	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Manganese, Total	0.3021		mg/l	0.00100	0.00044	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/31/21 09:40	09/01/21 10:43	EPA 7470A	1,7470A	OU
Nickel, Total	0.00343		mg/l	0.00200	0.00055	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Potassium, Total	4.28		mg/l	0.100	0.0309	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Sodium, Total	32.2		mg/l	0.100	0.0293	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Vanadium, Total	0.00165	J	mg/l	0.00500	0.00157	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/31/21 06:44	09/02/21 02:36	EPA 3005A	1,6020B	CD
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00643	J	mg/l	0.0100	0.00327	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Antimony, Dissolved	0.00089	J	mg/l	0.00400	0.00042	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Barium, Dissolved	0.02670		mg/l	0.00050	0.00017	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-01

Date Collected: 08/27/21 08:50

Client ID: TW-1

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Calcium, Dissolved	19.0		mg/l	0.100	0.0394	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Chromium, Dissolved	0.00042	J	mg/l	0.00100	0.00017	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Cobalt, Dissolved	0.00059		mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Magnesium, Dissolved	2.32		mg/l	0.0700	0.0242	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Manganese, Dissolved	0.2398		mg/l	0.00100	0.00044	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	09/01/21 11:59	09/02/21 12:44	EPA 7470A	1,7470A	NB
Nickel, Dissolved	0.00105	J	mg/l	0.00200	0.00055	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Potassium, Dissolved	3.88		mg/l	0.100	0.0309	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Sodium, Dissolved	30.6		mg/l	0.100	0.0293	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	09/01/21 11:24	09/01/21 21:56	EPA 3005A	1,6020B	WP



Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-02

Date Collected: 08/27/21 11:10

Client ID: TW-3

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.157		mg/l	0.0100	0.00327	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Antimony, Total	0.00414		mg/l	0.00400	0.00042	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Barium, Total	0.06723		mg/l	0.00050	0.00017	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00007	J	mg/l	0.00020	0.00005	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Calcium, Total	39.4		mg/l	0.100	0.0394	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Chromium, Total	0.00130		mg/l	0.00100	0.00017	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00149		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Copper, Total	0.00096	J	mg/l	0.00100	0.00038	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Iron, Total	0.371		mg/l	0.0500	0.0191	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Magnesium, Total	5.67		mg/l	0.0700	0.0242	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Manganese, Total	0.6990		mg/l	0.00100	0.00044	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/31/21 09:40	09/01/21 10:52	EPA 7470A	1,7470A	OU
Nickel, Total	0.00344		mg/l	0.00200	0.00055	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Potassium, Total	10.2		mg/l	0.100	0.0309	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Selenium, Total	0.00292	J	mg/l	0.00500	0.00173	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Sodium, Total	89.5		mg/l	0.100	0.0293	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/31/21 06:44	09/02/21 02:40	EPA 3005A	1,6020B	CD
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Antimony, Dissolved	0.00430		mg/l	0.00400	0.00042	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Barium, Dissolved	0.06501		mg/l	0.00050	0.00017	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-02

Date Collected: 08/27/21 11:10

Client ID: TW-3

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Calcium, Dissolved	39.5		mg/l	0.100	0.0394	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Chromium, Dissolved	0.00021	J	mg/l	0.00100	0.00017	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Cobalt, Dissolved	0.00113		mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Magnesium, Dissolved	5.56		mg/l	0.0700	0.0242	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Manganese, Dissolved	0.6792		mg/l	0.00100	0.00044	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	09/01/21 11:59	09/02/21 12:54	EPA 7470A	1,7470A	NB
Nickel, Dissolved	0.00246		mg/l	0.00200	0.00055	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Potassium, Dissolved	9.99		mg/l	0.100	0.0309	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Selenium, Dissolved	0.00282	J	mg/l	0.00500	0.00173	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Sodium, Dissolved	88.7		mg/l	0.100	0.0293	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	09/01/21 11:24	09/01/21 22:01	EPA 3005A	1,6020B	WP



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-03

Date Collected: 08/27/21 10:30

Client ID: TW-4

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.170		mg/l	0.0100	0.00327	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Antimony, Total	0.00050	J	mg/l	0.00400	0.00042	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Barium, Total	0.04977		mg/l	0.00050	0.00017	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00042		mg/l	0.00020	0.00005	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Calcium, Total	36.5		mg/l	0.100	0.0394	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Chromium, Total	0.00137		mg/l	0.00100	0.00017	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00243		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Copper, Total	0.00097	J	mg/l	0.00100	0.00038	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Iron, Total	0.374		mg/l	0.0500	0.0191	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Magnesium, Total	3.31		mg/l	0.0700	0.0242	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Manganese, Total	0.3865		mg/l	0.00100	0.00044	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/31/21 09:40	09/01/21 10:56	EPA 7470A	1,7470A	OU
Nickel, Total	0.00920		mg/l	0.00200	0.00055	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Potassium, Total	4.97		mg/l	0.100	0.0309	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Selenium, Total	0.00206	J	mg/l	0.00500	0.00173	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Sodium, Total	26.0		mg/l	0.100	0.0293	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Zinc, Total	0.2038		mg/l	0.01000	0.00341	1	08/31/21 06:44	09/02/21 02:45	EPA 3005A	1,6020B	CD
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Antimony, Dissolved	0.00065	J	mg/l	0.00400	0.00042	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Barium, Dissolved	0.04710		mg/l	0.00050	0.00017	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-03

Date Collected: 08/27/21 10:30

Client ID: TW-4

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	0.00042		mg/l	0.00020	0.00005	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Calcium, Dissolved	34.4		mg/l	0.100	0.0394	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Chromium, Dissolved	0.00043	J	mg/l	0.00100	0.00017	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Cobalt, Dissolved	0.00209		mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Copper, Dissolved	0.00039	J	mg/l	0.00100	0.00038	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Magnesium, Dissolved	3.09		mg/l	0.0700	0.0242	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Manganese, Dissolved	0.3398		mg/l	0.00100	0.00044	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	09/01/21 11:59	09/02/21 12:57	EPA 7470A	1,7470A	NB
Nickel, Dissolved	0.00758		mg/l	0.00200	0.00055	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Potassium, Dissolved	4.56		mg/l	0.100	0.0309	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Selenium, Dissolved	0.00239	J	mg/l	0.00500	0.00173	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Sodium, Dissolved	24.7		mg/l	0.100	0.0293	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP
Zinc, Dissolved	0.1832		mg/l	0.01000	0.00341	1	09/01/21 11:24	09/01/21 22:06	EPA 3005A	1,6020B	WP



Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-04

Date Collected: 08/27/21 00:00

Client ID: DUP-20210827

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8.88		mg/l	0.0100	0.00327	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Antimony, Total	0.00051	J	mg/l	0.00400	0.00042	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00185		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Barium, Total	0.1407		mg/l	0.00050	0.00017	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Beryllium, Total	0.00070		mg/l	0.00050	0.00010	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00016	J	mg/l	0.00020	0.00005	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Calcium, Total	20.2		mg/l	0.100	0.0394	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Chromium, Total	0.03050		mg/l	0.00100	0.00017	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Cobalt, Total	0.01732		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Copper, Total	0.02785		mg/l	0.00100	0.00038	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Iron, Total	18.8		mg/l	0.0500	0.0191	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Lead, Total	0.01253		mg/l	0.00100	0.00034	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Magnesium, Total	6.08		mg/l	0.0700	0.0242	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Manganese, Total	1.507		mg/l	0.00100	0.00044	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/31/21 09:40	09/01/21 10:59	EPA 7470A	1,7470A	OU
Nickel, Total	0.04803		mg/l	0.00200	0.00055	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Potassium, Total	5.18		mg/l	0.100	0.0309	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Selenium, Total	0.00282	J	mg/l	0.00500	0.00173	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Sodium, Total	32.6		mg/l	0.100	0.0293	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Vanadium, Total	0.02413		mg/l	0.00500	0.00157	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Zinc, Total	0.03860		mg/l	0.01000	0.00341	1	08/31/21 06:44	09/02/21 02:50	EPA 3005A	1,6020B	CD
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Antimony, Dissolved	0.00075	J	mg/l	0.00400	0.00042	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Barium, Dissolved	0.02424		mg/l	0.00050	0.00017	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21**SAMPLE RESULTS**

Lab ID: L2146282-04

Date Collected: 08/27/21 00:00

Client ID: DUP-20210827

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Calcium, Dissolved	18.1		mg/l	0.100	0.0394	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Chromium, Dissolved	0.00037	J	mg/l	0.00100	0.00017	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Cobalt, Dissolved	0.00049	J	mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Magnesium, Dissolved	2.18		mg/l	0.0700	0.0242	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Manganese, Dissolved	0.1705		mg/l	0.00100	0.00044	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	09/01/21 11:59	09/02/21 13:01	EPA 7470A	1,7470A	NB
Nickel, Dissolved	0.00081	J	mg/l	0.00200	0.00055	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Potassium, Dissolved	3.58		mg/l	0.100	0.0309	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Sodium, Dissolved	29.2		mg/l	0.100	0.0293	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	09/01/21 11:24	09/01/21 22:11	EPA 3005A	1,6020B	WP



Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

SAMPLE RESULTS

Lab ID: L2146282-05

Date Collected: 08/27/21 11:35

Client ID: FIELD BLANK

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Chromium, Total	0.00049	J	mg/l	0.00100	0.00017	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/31/21 09:40	09/01/21 11:10	EPA 7470A	1,7470A	OU
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Sodium, Total	0.126		mg/l	0.100	0.0293	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/31/21 06:44	09/02/21 01:33	EPA 3005A	1,6020B	CD



Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1540870-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/31/21 09:40	09/01/21 10:36	1,7470A	OU

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1540880-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	09/01/21 11:24	09/01/21 21:32	1,6020B	WP



Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1540882-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	09/01/21 11:59	09/02/21 12:37	1,7470A	NB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1541029-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Chromium, Total	0.00048	J	mg/l	0.00100	0.00017	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21

Method Blank Analysis Batch Quality Control

Vanadium, Total	ND	mg/l	0.00500	0.00157	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD
Zinc, Total	ND	mg/l	0.01000	0.00341	1	08/31/21 06:44	09/02/21 01:28	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146282**Report Date:** 09/03/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1540870-2								
Mercury, Total	97		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1540880-2					
Aluminum, Dissolved	93	-	80-120	-	
Antimony, Dissolved	90	-	80-120	-	
Arsenic, Dissolved	108	-	80-120	-	
Barium, Dissolved	100	-	80-120	-	
Beryllium, Dissolved	103	-	80-120	-	
Cadmium, Dissolved	105	-	80-120	-	
Calcium, Dissolved	94	-	80-120	-	
Chromium, Dissolved	102	-	80-120	-	
Cobalt, Dissolved	104	-	80-120	-	
Copper, Dissolved	108	-	80-120	-	
Iron, Dissolved	97	-	80-120	-	
Lead, Dissolved	105	-	80-120	-	
Magnesium, Dissolved	101	-	80-120	-	
Manganese, Dissolved	96	-	80-120	-	
Nickel, Dissolved	100	-	80-120	-	
Potassium, Dissolved	98	-	80-120	-	
Selenium, Dissolved	100	-	80-120	-	
Silver, Dissolved	105	-	80-120	-	
Sodium, Dissolved	100	-	80-120	-	
Thallium, Dissolved	106	-	80-120	-	
Vanadium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1540880-2					
Zinc, Dissolved	108	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1540882-2					
Mercury, Dissolved	98	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1541029-2					
Aluminum, Total	94	-	80-120	-	
Antimony, Total	87	-	80-120	-	
Arsenic, Total	108	-	80-120	-	
Barium, Total	100	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	94	-	80-120	-	
Chromium, Total	101	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	107	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	106	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Potassium, Total	102	-	80-120	-	
Selenium, Total	105	-	80-120	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	108	-	80-120	-	
Vanadium, Total	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146282**Report Date:** 09/03/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1541029-2					
Zinc, Total	108	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05			QC Batch ID: WG1540870-3			QC Sample: L2146282-01			Client ID: TW-1			
Mercury, Total	ND	0.005	0.00478	96		-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1540880-3 QC Sample: L2146282-01 Client ID: TW-1									
Aluminum, Dissolved	0.00643J	2	1.93	96	-	-	75-125	-	20
Antimony, Dissolved	0.00089J	0.5	0.4941	99	-	-	75-125	-	20
Arsenic, Dissolved	ND	0.12	0.1348	112	-	-	75-125	-	20
Barium, Dissolved	0.02670	2	2.031	100	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05328	106	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.053	0.05711	108	-	-	75-125	-	20
Calcium, Dissolved	19.0	10	30.1	111	-	-	75-125	-	20
Chromium, Dissolved	0.00042J	0.2	0.2071	104	-	-	75-125	-	20
Cobalt, Dissolved	0.00059	0.5	0.5310	106	-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.2775	111	-	-	75-125	-	20
Iron, Dissolved	ND	1	1.01	101	-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.5651	107	-	-	75-125	-	20
Magnesium, Dissolved	2.32	10	12.9	106	-	-	75-125	-	20
Manganese, Dissolved	0.2398	0.5	0.7440	101	-	-	75-125	-	20
Nickel, Dissolved	0.00105J	0.5	0.5228	104	-	-	75-125	-	20
Potassium, Dissolved	3.88	10	14.0	101	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.134	112	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05273	105	-	-	75-125	-	20
Sodium, Dissolved	30.6	10	42.4	118	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1290	108	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5150	103	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1540880-3 QC Sample: L2146282-01 Client ID: TW-1									
Zinc, Dissolved	ND	0.5	0.5574	111	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1540882-3 QC Sample: L2146282-01 Client ID: TW-1									
Mercury, Dissolved	ND	0.005	0.00467	94	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1541029-3 WG1541029-4 QC Sample: L2145724-23 Client ID: MS Sample									
Aluminum, Total	0.021	2	1.90	94	1.91	94	75-125	1	20
Antimony, Total	ND	0.5	0.4664	93	0.4763	95	75-125	2	20
Arsenic, Total	0.0079	0.12	0.1357	106	0.1402	110	75-125	3	20
Barium, Total	0.1478	2	2.124	99	2.180	102	75-125	3	20
Beryllium, Total	ND	0.05	0.05174	103	0.05427	108	75-125	5	20
Cadmium, Total	ND	0.053	0.05498	104	0.05830	110	75-125	6	20
Calcium, Total	81.5	10	87.8	63	Q 87.1	56	Q 75-125	1	20
Chromium, Total	0.0007J	0.2	0.2040	102	0.2094	105	75-125	3	20
Cobalt, Total	ND	0.5	0.5116	102	0.5344	107	75-125	4	20
Copper, Total	ND	0.25	0.2664	106	0.2763	110	75-125	4	20
Iron, Total	0.163	1	1.08	92	1.18	102	75-125	9	20
Lead, Total	0.00039J	0.53	0.5529	104	0.5708	108	75-125	3	20
Magnesium, Total	13.6	10	23.3	97	24.0	104	75-125	3	20
Manganese, Total	0.6564	0.5	1.141	97	1.166	102	75-125	2	20
Nickel, Total	ND	0.5	0.4991	100	0.5158	103	75-125	3	20
Potassium, Total	1.66	10	11.2	95	11.5	98	75-125	3	20
Selenium, Total	ND	0.12	0.126	105	0.128	107	75-125	2	20
Silver, Total	ND	0.05	0.05157	103	0.05342	107	75-125	4	20
Sodium, Total	9.96	10	20.0	100	20.4	104	75-125	2	20
Thallium, Total	ND	0.12	0.1281	107	0.1313	109	75-125	2	20
Vanadium, Total	ND	0.5	0.5038	101	0.5083	102	75-125	1	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146282

Project Number: 0201831-000

Report Date: 09/03/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1541029-3 WG1541029-4 QC Sample: L2145724-23 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5410	108	0.5666	113	75-125	5	20

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146282**Report Date:** 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1540870-4 QC Sample: L2146282-01 Client ID: TW-1						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146282

Report Date: 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1540880-4 QC Sample: L2146282-01 Client ID: TW-1					
Aluminum, Dissolved	0.00643J	0.00658J	mg/l	NC	20
Antimony, Dissolved	0.00089J	0.00110J	mg/l	NC	20
Arsenic, Dissolved	ND	ND	mg/l	NC	20
Barium, Dissolved	0.02670	0.02735	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	19.0	19.9	mg/l	5	20
Chromium, Dissolved	0.00042J	0.00041J	mg/l	NC	20
Cobalt, Dissolved	0.00059	0.00063	mg/l	7	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	2.32	2.38	mg/l	3	20
Manganese, Dissolved	0.2398	0.2496	mg/l	4	20
Nickel, Dissolved	0.00105J	0.00108J	mg/l	NC	20
Potassium, Dissolved	3.88	4.08	mg/l	5	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	30.6	31.9	mg/l	4	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1540880-4 QC Sample: L2146282-01 Client ID: TW-1					
Thallium, Dissolved	ND	0.00038J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1540882-4 QC Sample: L2146282-01 Client ID: TW-1					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Serial Dilution Analysis Batch Quality Control

Lab Number: L2146282

Report Date: 09/03/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1540880-6 QC Sample: L2146282-01 Client ID: TW-1						
Barium, Dissolved	0.02670	0.02678	mg/l	0		20
Calcium, Dissolved	19.0	19.3	mg/l	2		20
Magnesium, Dissolved	2.32	2.23	mg/l	4		20
Manganese, Dissolved	0.2398	0.2382	mg/l	1		20
Potassium, Dissolved	3.88	3.89	mg/l	0		20
Sodium, Dissolved	30.6	30.5	mg/l	0		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1541029-6 QC Sample: L2145724-23 Client ID: DUP Sample						
Manganese, Total	0.6564	0.6507	mg/l	1		20
Sodium, Total	9.96	9.78	mg/l	2		20

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Serial_No:09032117:17
Lab Number: L2146282
Report Date: 09/03/21

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146282-01A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-01B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-01C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-01D	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8082-LVI(365)
L2146282-01E	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8082-LVI(365)
L2146282-01F	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2146282-01G	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2146282-01H	Plastic 250ml unpreserved	A	7	7	5.3	Y	Absent		-
L2146282-01I	Plastic 250ml HNO3 preserved	A	<2	<2	5.3	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),AL-6020T(180),CO-6020T(180)
L2146282-01J	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-01K	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-01L	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-01M	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-01N	Plastic 250ml unpreserved	A	NA		5.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146282-01O	Plastic 250ml unpreserved	A	NA		5.3	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Serial_No: 09032117:17
Lab Number: L2146282
Report Date: 09/03/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146282-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		5.3	Y	Absent		SE-6020S(180),V-6020S(180),K-6020S(180),CU-6020S(180),MN-6020S(180),ZN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),BA-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2146282-02A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-02B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-02C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-02D	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8082-LVI(365)
L2146282-02E	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8082-LVI(365)
L2146282-02F	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2146282-02G	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2146282-02H	Plastic 250ml unpreserved	A	7	7	5.3	Y	Absent		-
L2146282-02I	Plastic 250ml HNO3 preserved	A	<2	<2	5.3	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2146282-02J	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-02K	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-02L	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-02M	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-02N	Plastic 250ml unpreserved	A	NA		5.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146282-02O	Plastic 250ml unpreserved	A	NA		5.3	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Serial_No: 09032117:17
Lab Number: L2146282
Report Date: 09/03/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146282-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA		5.3	Y	Absent		K-6020S(180),SE-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),CO-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),NI-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2146282-03A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-03B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-03C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-03D	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8082-LVI(365)
L2146282-03E	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8082-LVI(365)
L2146282-03F	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2146282-03G	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2146282-03H	Plastic 250ml unpreserved	A	7	7	5.3	Y	Absent		-
L2146282-03I	Plastic 250ml HNO3 preserved	A	<2	<2	5.3	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),CD-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2146282-03J	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-03K	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-03L	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-03M	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-03N	Plastic 250ml unpreserved	A	NA		5.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146282-03O	Plastic 250ml unpreserved	A	NA		5.3	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Serial_No: 09032117:17
Lab Number: L2146282
Report Date: 09/03/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146282-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		5.3	Y	Absent		CU-6020S(180),SE-6020S(180),V-6020S(180),K-6020S(180),MN-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2146282-04A	Vial HCl preserved	C	NA		3.1	Y	Absent		NYTCL-8260(14)
L2146282-04B	Vial HCl preserved	C	NA		3.1	Y	Absent		NYTCL-8260(14)
L2146282-04C	Vial HCl preserved	C	NA		3.1	Y	Absent		NYTCL-8260(14)
L2146282-04D	Amber 120ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2146282-04E	Amber 120ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2146282-04F	Amber 120ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8081(7)
L2146282-04G	Amber 120ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8081(7)
L2146282-04H	Plastic 250ml unpreserved	C	7	7	3.1	Y	Absent		-
L2146282-04I	Plastic 250ml HNO3 preserved	C	<2	<2	3.1	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2146282-04J	Amber 250ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-04K	Amber 250ml unpreserved	C	7	7	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-04L	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-04M	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-04N	Plastic 250ml unpreserved	C	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146282-04O	Plastic 250ml unpreserved	C	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Serial_No: 09032117:17
Lab Number: L2146282
Report Date: 09/03/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146282-04X	Plastic 120ml HNO3 preserved Filtrates	C	NA		3.1	Y	Absent		V-6020S(180),CU-6020S(180),SE-6020S(180),K-6020S(180),MN-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),BE-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),NA-6020S(180),BA-6020S(180),PB-6020S(180),NI-6020S(180),TL-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2146282-05A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-05B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-05C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260(14)
L2146282-05D	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8082-LVI(365)
L2146282-05E	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8082-LVI(365)
L2146282-05F	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2146282-05G	Amber 120ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2146282-05H	Plastic 250ml HNO3 preserved	A	<2	<2	5.3	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),AG-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2146282-05I	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-05J	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2146282-05K	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-05L	Amber 250ml unpreserved	A	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2146282-05M	Plastic 250ml unpreserved	A	NA		5.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146282-05N	Plastic 250ml unpreserved	A	NA		5.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L2146282-06A	Vial HCl preserved	C	NA		3.1	Y	Absent		NYTCL-8260(14)
L2146282-06B	Vial HCl preserved	C	NA		3.1	Y	Absent		NYTCL-8260(14)

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Serial_No:09032117:17
Lab Number: L2146282
Report Date: 09/03/21

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDaA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSA's)		
Perfluorododecanesulfonic Acid	PFDaDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESA's)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCA's)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146282**Project Number:** 0201831-000**Report Date:** 09/03/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146282
Report Date: 09/03/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 8/28/21		ALPHA Job # L2146282							
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-896-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: 352-362 Shepherd Ave Project Location: 352-362 Shepherd Ave, Brooklyn, NY Project # 0201831-000 (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☒ Other PDF+excel		Billing Information ☐ Same as Client Info PO #							
Client Information Client: Haley and Aldrich of NY Address: 237 W 35th Street New York, NY 10123 Phone: Fax: Email: MConlon@haleyaldrich.com		Project Manager: M. Conlon ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☒ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:									
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:				ANALYSIS				Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)							
Please specify Metals or TAL.				VOCs 8260C SVOCs 8270D Pesticides 8081D PCBs 8082A Dissolved Metals Total Metals 1,4-Dioxane PFAS				Total Bottles							
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260C	SVOCs 8270D	Pesticides 8081D	PCBs 8082A	Dissolved Metals	Total Metals	1,4-Dioxane	PFAS	Sample Specific Comments	Total Bottles
48282-01	TW-1	8/27/21	0850	GW	SC	X	X	X	X	X	X	X	X		15
02	TW-3	8/27/21	1110	GW	SC	X	X	X	X	X	X	X	X		15
03	TW-4	8/27/21	1030	GW	SC	X	X	X	X	X	X	X	X		15
04	DUP-20210827	8/27/21		GW	SC	X	X	X	X	X	X	X	X		15
05	Field Blank	8/27/21	1135	FB	SC	X	X	X	X	X	X	X	X		15
06	Trip Blank	8/27/21		TB	SC	X									
Preservative Code:		Container Code		Westboro: Certification No: MA935		Container Type		V		A		A		P	
A = None		P = Plastic		Mansfield: Certification No: MA015		Preservative		B		A		A		A	
B = HCl		A = Amber Glass													
C = HNO ₃		V = Vial													
D = H ₂ SO ₄		G = Glass													
E = NaOH		B = Bacteria Cup													
F = MeOH		C = Cube													
G = NaHSO ₄		O = Other													
H = Na ₂ S ₂ O ₃		E = Encore													
K/E = Zn Ac/NaOH		D = BOD Bottle													
O = Other															
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time							
		[Signature]		8/27/21 13:30		[Signature]		8/27/21 13:30							
		[Signature]		8/27/21 17:30		[Signature]		8/27/21 21:30							
		[Signature]		8/28/21 01:30		[Signature]		8/28/21 01:30							

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)



ANALYTICAL REPORT

Lab Number:	L2146283
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	352-362 SHEPHERD AVE
Project Number:	0201831-000
Report Date:	09/10/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2146283-01	SB-4A (0-2')	SOIL	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 09:40	08/27/21
L2146283-02	SB-3 (10-12')	SOIL	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 09:58	08/27/21
L2146283-03	SB-3 (0-2')	SOIL	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 09:50	08/27/21
L2146283-04	SB-4 (10-12')	SOIL	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 09:30	08/27/21
L2146283-05	SB-4 (0-2')	SOIL	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 09:38	08/27/21
L2146283-06	DUP-20210827	SOIL	352-362 SHEPHERD AVE BROOKLYN, NY	08/27/21 00:00	08/27/21

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2146283-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 09/10/21

ORGANICS

VOLATILES

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-01
 Client ID: SB-4A (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:40
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/21 13:46
 Analyst: MKS
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.18	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	1.0	J	ug/kg	1.1	0.60	1
Ethylbenzene	0.16	J	ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-01**Date Collected:** 08/27/21 09:40**Client ID:** SB-4A (0-2')**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-01**Date Collected:** 08/27/21 09:40**Client ID:** SB-4A (0-2')**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	89	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	121		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-02
 Client ID: SB-3 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:58
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/21 14:11
 Analyst: MKS
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	1.1		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-02
 Client ID: SB-3 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:58
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-02
Client ID: SB-3 (10-12')
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:58
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.22	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	121		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-03
 Client ID: SB-3 (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/21 14:36
 Analyst: MKS
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	0.29	J	ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.63	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.3	0.68	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-03**Date Collected:** 08/27/21 09:50**Client ID:** SB-3 (0-2')**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.7	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.17	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.0	0.82	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-03
Client ID: SB-3 (0-2')
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:50
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	119		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-04
 Client ID: SB-4 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/21 15:02
 Analyst: MKS
 Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	0.20	J	ug/kg	0.55	0.18	1
Toluene	1.1		ug/kg	1.1	0.60	1
Ethylbenzene	0.18	J	ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-04
 Client ID: SB-4 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-04**Date Collected:** 08/27/21 09:30**Client ID:** SB-4 (10-12')**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	121		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-05
 Client ID: SB-4 (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:38
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/21 15:27
 Analyst: MKS
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.0	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.70	0.28	1
Chlorobenzene	ND		ug/kg	0.70	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.98	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.70	0.23	1
Bromodichloromethane	ND		ug/kg	0.70	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.70	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.70	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.70	0.22	1
Bromoform	ND		ug/kg	5.6	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.70	0.23	1
Benzene	ND		ug/kg	0.70	0.23	1
Toluene	ND		ug/kg	1.4	0.76	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.6	1.3	1
Bromomethane	ND		ug/kg	2.8	0.82	1
Vinyl chloride	ND		ug/kg	1.4	0.47	1
Chloroethane	ND		ug/kg	2.8	0.63	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-05

Date Collected: 08/27/21 09:38

Client ID: SB-4 (0-2')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.70	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.79	1
o-Xylene	ND		ug/kg	1.4	0.41	1
Xylenes, Total	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.8	1
Carbon disulfide	ND		ug/kg	14	6.4	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.70	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.27	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.6	0.91	1
Acrylonitrile	ND		ug/kg	5.6	1.6	1

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-05
Client ID: SB-4 (0-2')
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:38
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.47	1
1,4-Dioxane	ND		ug/kg	110	49.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.25	1
p-Ethyltoluene	ND		ug/kg	2.8	0.54	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.27	1
Ethyl ether	ND		ug/kg	2.8	0.48	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	123		70-130

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-06
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/21 15:52
 Analyst: MKS
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	1.4		ug/kg	0.52	0.21	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-06
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-06**Date Collected:** 08/27/21 00:00**Client ID:** DUP-20210827**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	122		70-130

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/02/21 09:33
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1542386-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/02/21 09:33
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1542386-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	0.27	J	ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/21 09:33
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1542386-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.33	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	0.14	J	ug/kg	1.0	0.11
Naphthalene	0.69	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.69	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.63	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	0.23	J	ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	0.44	J	ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	115		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1542386-3 WG1542386-4								
Methylene chloride	94		92		70-130	2		30
1,1-Dichloroethane	94		93		70-130	1		30
Chloroform	100		101		70-130	1		30
Carbon tetrachloride	120		119		70-130	1		30
1,2-Dichloropropane	86		87		70-130	1		30
Dibromochloromethane	110		112		70-130	2		30
1,1,2-Trichloroethane	88		91		70-130	3		30
Tetrachloroethene	112		114		70-130	2		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	118		115		70-139	3		30
1,2-Dichloroethane	99		102		70-130	3		30
1,1,1-Trichloroethane	116		115		70-130	1		30
Bromodichloromethane	104		105		70-130	1		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	102		104		70-130	2		30
1,1-Dichloropropene	103		102		70-130	1		30
Bromoform	102		104		70-130	2		30
1,1,2,2-Tetrachloroethane	79		82		70-130	4		30
Benzene	95		96		70-130	1		30
Toluene	94		94		70-130	0		30
Ethylbenzene	95		97		70-130	2		30
Chloromethane	80		76		52-130	5		30
Bromomethane	140		133		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1542386-3 WG1542386-4								
Vinyl chloride	83		82		67-130	1		30
Chloroethane	94		91		50-151	3		30
1,1-Dichloroethene	100		97		65-135	3		30
trans-1,2-Dichloroethene	103		100		70-130	3		30
Trichloroethene	104		104		70-130	0		30
1,2-Dichlorobenzene	99		100		70-130	1		30
1,3-Dichlorobenzene	104		104		70-130	0		30
1,4-Dichlorobenzene	99		100		70-130	1		30
Methyl tert butyl ether	97		99		66-130	2		30
p/m-Xylene	104		105		70-130	1		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	98		98		70-130	0		30
Dibromomethane	94		94		70-130	0		30
Styrene	97		98		70-130	1		30
Dichlorodifluoromethane	57		72		30-146	23		30
Acetone	79		76		54-140	4		30
Carbon disulfide	82		80		59-130	2		30
2-Butanone	55	Q	60	Q	70-130	9		30
Vinyl acetate	77		79		70-130	3		30
4-Methyl-2-pentanone	78		84		70-130	7		30
1,2,3-Trichloropropane	81		83		68-130	2		30
2-Hexanone	64	Q	64	Q	70-130	0		30
Bromochloromethane	103		106		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1542386-3 WG1542386-4								
2,2-Dichloropropane	112		110		70-130	2		30
1,2-Dibromoethane	91		93		70-130	2		30
1,3-Dichloropropane	91		92		69-130	1		30
1,1,1,2-Tetrachloroethane	113		115		70-130	2		30
Bromobenzene	102		104		70-130	2		30
n-Butylbenzene	96		97		70-130	1		30
sec-Butylbenzene	98		99		70-130	1		30
tert-Butylbenzene	103		104		70-130	1		30
o-Chlorotoluene	97		99		70-130	2		30
p-Chlorotoluene	98		100		70-130	2		30
1,2-Dibromo-3-chloropropane	91		99		68-130	8		30
Hexachlorobutadiene	111		114		67-130	3		30
Isopropylbenzene	99		100		70-130	1		30
p-Isopropyltoluene	102		103		70-130	1		30
Naphthalene	88		92		70-130	4		30
Acrylonitrile	72		75		70-130	4		30
n-Propylbenzene	96		97		70-130	1		30
1,2,3-Trichlorobenzene	98		101		70-130	3		30
1,2,4-Trichlorobenzene	102		106		70-130	4		30
1,3,5-Trimethylbenzene	100		100		70-130	0		30
1,2,4-Trimethylbenzene	100		101		70-130	1		30
1,4-Dioxane	86		88		65-136	2		30
p-Diethylbenzene	102		104		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1542386-3 WG1542386-4								
p-Ethyltoluene	100		102		70-130	2		30
1,2,4,5-Tetramethylbenzene	103		106		70-130	3		30
Ethyl ether	86		86		67-130	0		30
trans-1,4-Dichloro-2-butene	81		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-01
 Client ID: SB-4A (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:40
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 06:09
 Analyst: JG
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	660		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	12000	E	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	680		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-01

Date Collected: 08/27/21 09:40

Client ID: SB-4A (0-2')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	6000		ug/kg	110	20.	1
Benzo(a)pyrene	6600		ug/kg	140	44.	1
Benzo(b)fluoranthene	9400	E	ug/kg	110	30.	1
Benzo(k)fluoranthene	1900		ug/kg	110	29.	1
Chrysene	6600		ug/kg	110	19.	1
Acenaphthylene	420		ug/kg	140	28.	1
Anthracene	990		ug/kg	110	35.	1
Benzo(ghi)perylene	4200		ug/kg	140	21.	1
Fluorene	590		ug/kg	180	17.	1
Phenanthrene	8700	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	810		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	4800		ug/kg	140	25.	1
Pyrene	12000	E	ug/kg	110	18.	1
Biphenyl	110	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	550		ug/kg	180	17.	1
2-Methylnaphthalene	330		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	45	J	ug/kg	260	28.	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-01**Date Collected:** 08/27/21 09:40**Client ID:** SB-4A (0-2')**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	890		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	86		18-120

Project Name: 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146283**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-01 D
 Client ID: SB-4A (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:40
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/02/21 19:46
 Analyst: WR
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	11000		ug/kg	540	100	5
Benzo(b)fluoranthene	6000		ug/kg	540	150	5
Phenanthrene	8700		ug/kg	540	110	5
Pyrene	11000		ug/kg	540	89.	5

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-02
 Client ID: SB-3 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:58
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 04:58
 Analyst: JG
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	600		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	4400		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	100	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-02
 Client ID: SB-3 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:58
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	2400		ug/kg	110	21.	1
Benzo(a)pyrene	1800		ug/kg	150	46.	1
Benzo(b)fluoranthene	2200		ug/kg	110	32.	1
Benzo(k)fluoranthene	730		ug/kg	110	30.	1
Chrysene	2100		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	1300		ug/kg	110	36.	1
Benzo(ghi)perylene	750		ug/kg	150	22.	1
Fluorene	530		ug/kg	190	18.	1
Phenanthrene	4100		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	260		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	26.	1
Pyrene	3800		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	300		ug/kg	190	18.	1
2-Methylnaphthalene	120	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-02
Client ID: SB-3 (10-12')
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:58
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	400		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	66		18-120

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-03
 Client ID: SB-3 (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 06:32
 Analyst: JG
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	200		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	8000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	72	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-03
 Client ID: SB-3 (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	3500		ug/kg	110	20.	1
Benzo(a)pyrene	3000		ug/kg	140	44.	1
Benzo(b)fluoranthene	4400		ug/kg	110	30.	1
Benzo(k)fluoranthene	1300		ug/kg	110	29.	1
Chrysene	3500		ug/kg	110	19.	1
Acenaphthylene	540		ug/kg	140	28.	1
Anthracene	900		ug/kg	110	35.	1
Benzo(ghi)perylene	1800		ug/kg	140	21.	1
Fluorene	390		ug/kg	180	17.	1
Phenanthrene	6400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	460		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2200		ug/kg	140	25.	1
Pyrene	6700		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	290		ug/kg	180	17.	1
2-Methylnaphthalene	76	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-03**Date Collected:** 08/27/21 09:50**Client ID:** SB-3 (0-2')**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	360		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	52		18-120

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-03 D
 Client ID: SB-3 (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 08/31/21 02:46

Analytical Date: 09/02/21 19:22

Analyst: WR

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Fluoranthene	7400		ug/kg	540	100	5

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-04
 Client ID: SB-4 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 00:37
 Analyst: JG
 Percent Solids: 99%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.	1
2-Chloronaphthalene	ND		ug/kg	170	16.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	33.	1
2,6-Dinitrotoluene	ND		ug/kg	170	28.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-04

Date Collected: 08/27/21 09:30

Client ID: SB-4 (10-12')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	15.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	32.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	100	16.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	31.	1
4-Nitroaniline	ND		ug/kg	170	69.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	55.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-04**Date Collected:** 08/27/21 09:30**Client ID:** SB-4 (10-12')**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	25	7.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	84		18-120

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-04
Client ID: SB-4 (10-12')
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:30
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/21 16:53
Analyst: DB
Percent Solids: 99%

Extraction Method: EPA 3570
Extraction Date: 09/01/21 23:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/kg	8.03	2.05	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	87			15-110		

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-05
 Client ID: SB-4 (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:38
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 05:45
 Analyst: JG
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	580		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	220		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-05

Date Collected: 08/27/21 09:38

Client ID: SB-4 (0-2')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	250		ug/kg	110	20.	1
Benzo(a)pyrene	350		ug/kg	140	43.	1
Benzo(b)fluoranthene	820		ug/kg	110	30.	1
Benzo(k)fluoranthene	150		ug/kg	110	28.	1
Chrysene	460		ug/kg	110	18.	1
Acenaphthylene	63	J	ug/kg	140	27.	1
Anthracene	51	J	ug/kg	110	34.	1
Benzo(ghi)perylene	470		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	310		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	93	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	510		ug/kg	140	25.	1
Pyrene	530		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	23	J	ug/kg	180	17.	1
2-Methylnaphthalene	83	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	71	J	ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-05**Date Collected:** 08/27/21 09:38**Client ID:** SB-4 (0-2')**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	43	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	95		18-120

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-06
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/21 02:59
 Analyst: JG
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	470		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	3200		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	100	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-06
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	1500		ug/kg	110	21.	1
Benzo(a)pyrene	1200		ug/kg	150	46.	1
Benzo(b)fluoranthene	1500		ug/kg	110	32.	1
Benzo(k)fluoranthene	460		ug/kg	110	30.	1
Chrysene	1300		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	1200		ug/kg	110	36.	1
Benzo(ghi)perylene	450		ug/kg	150	22.	1
Fluorene	480		ug/kg	190	18.	1
Phenanthrene	3400		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	170		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	640		ug/kg	150	26.	1
Pyrene	2400		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	320		ug/kg	190	18.	1
2-Methylnaphthalene	160	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-06**Date Collected:** 08/27/21 00:00**Client ID:** DUP-20210827**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	340		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	86		18-120

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/21 08:45
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1541001-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/21 08:45
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1541001-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/21 08:45
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/31/21 02:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1541001-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	95		18-120

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/21 15:40
Analyst: DB

Extraction Method: EPA 3570
Extraction Date: 09/01/21 23:24

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 04 Batch: WG1541855-1					
1,4-Dioxane	ND		ug/kg	8.00	2.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	97		15-110

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1541001-2 WG1541001-3								
Acenaphthene	58		88		31-137	41		50
1,2,4-Trichlorobenzene	55		84		38-107	42		50
Hexachlorobenzene	61		95		40-140	44		50
Bis(2-chloroethyl)ether	56		84		40-140	40		50
2-Chloronaphthalene	59		89		40-140	41		50
1,2-Dichlorobenzene	54		82		40-140	41		50
1,3-Dichlorobenzene	54		79		40-140	38		50
1,4-Dichlorobenzene	53		80		28-104	41		50
3,3'-Dichlorobenzidine	64		94		40-140	38		50
2,4-Dinitrotoluene	63		97		40-132	43		50
2,6-Dinitrotoluene	67		104		40-140	43		50
Fluoranthene	63		99		40-140	44		50
4-Chlorophenyl phenyl ether	61		94		40-140	43		50
4-Bromophenyl phenyl ether	63		96		40-140	42		50
Bis(2-chloroisopropyl)ether	97		146	Q	40-140	40		50
Bis(2-chloroethoxy)methane	58		88		40-117	41		50
Hexachlorobutadiene	60		90		40-140	40		50
Hexachlorocyclopentadiene	46		77		40-140	50		50
Hexachloroethane	61		92		40-140	41		50
Isophorone	60		90		40-140	40		50
Naphthalene	60		87		40-140	37		50
Nitrobenzene	67		100		40-140	40		50
NDPA/DPA	64		98		36-157	42		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1541001-2 WG1541001-3								
n-Nitrosodi-n-propylamine	65		97		32-121	40		50
Bis(2-ethylhexyl)phthalate	78		126		40-140	47		50
Butyl benzyl phthalate	70		109		40-140	44		50
Di-n-butylphthalate	67		106		40-140	45		50
Di-n-octylphthalate	78		125		40-140	46		50
Diethyl phthalate	67		103		40-140	42		50
Dimethyl phthalate	57		89		40-140	44		50
Benzo(a)anthracene	65		102		40-140	44		50
Benzo(a)pyrene	72		115		40-140	46		50
Benzo(b)fluoranthene	68		111		40-140	48		50
Benzo(k)fluoranthene	69		104		40-140	40		50
Chrysene	62		99		40-140	46		50
Acenaphthylene	62		93		40-140	40		50
Anthracene	60		92		40-140	42		50
Benzo(ghi)perylene	68		105		40-140	43		50
Fluorene	64		98		40-140	42		50
Phenanthrene	59		92		40-140	44		50
Dibenzo(a,h)anthracene	65		101		40-140	43		50
Indeno(1,2,3-cd)pyrene	66		100		40-140	41		50
Pyrene	62		99		35-142	46		50
Biphenyl	55		85		37-127	43		50
4-Chloroaniline	66		104		40-140	45		50
2-Nitroaniline	68		109		47-134	46		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1541001-2 WG1541001-3								
3-Nitroaniline	68		95		26-129	33		50
4-Nitroaniline	64		98		41-125	42		50
Dibenzofuran	65		98		40-140	40		50
2-Methylnaphthalene	57		86		40-140	41		50
1,2,4,5-Tetrachlorobenzene	56		88		40-117	44		50
Acetophenone	54		81		14-144	40		50
2,4,6-Trichlorophenol	66		102		30-130	43		50
p-Chloro-m-cresol	70		107	Q	26-103	42		50
2-Chlorophenol	64		91		25-102	35		50
2,4-Dichlorophenol	63		99		30-130	44		50
2,4-Dimethylphenol	64		96		30-130	40		50
2-Nitrophenol	70		103		30-130	38		50
4-Nitrophenol	90		137	Q	11-114	41		50
2,4-Dinitrophenol	78		125		4-130	46		50
4,6-Dinitro-o-cresol	74		112		10-130	41		50
Pentachlorophenol	59		94		17-109	46		50
Phenol	61		87		26-90	35		50
2-Methylphenol	62		96		30-130.	43		50
3-Methylphenol/4-Methylphenol	68		104		30-130	42		50
2,4,5-Trichlorophenol	69		104		30-130	40		50
Benzoic Acid	72		122	Q	10-110	52	Q	50
Benzyl Alcohol	67		102		40-140	41		50
Carbazole	63		100		54-128	45		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1541001-2 WG1541001-3								
1,4-Dioxane	42		59		40-140	34		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		94		25-120
Phenol-d6	65		94		10-120
Nitrobenzene-d5	67		95		23-120
2-Fluorobiphenyl	57		84		30-120
2,4,6-Tribromophenol	64		103		10-136
4-Terphenyl-d14	54		87		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 04 Batch: WG1541855-2 WG1541855-3								
1,4-Dioxane	93		92		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	90		84		15-110

PCBS

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-01
 Client ID: SB-4A (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:40
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/31/21 11:55
 Analyst: CW
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 08/30/21 13:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.60	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.38	1	A
Aroclor 1254	ND		ug/kg	35.8	3.92	1	A
Aroclor 1260	ND		ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	ND		ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-02
 Client ID: SB-3 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:58
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/31/21 12:02
 Analyst: CW
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 08/30/21 13:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	3.22	1	A
Aroclor 1221	ND		ug/kg	36.2	3.63	1	A
Aroclor 1232	ND		ug/kg	36.2	7.69	1	A
Aroclor 1242	ND		ug/kg	36.2	4.89	1	A
Aroclor 1248	ND		ug/kg	36.2	5.44	1	A
Aroclor 1254	ND		ug/kg	36.2	3.97	1	A
Aroclor 1260	ND		ug/kg	36.2	6.70	1	A
Aroclor 1262	ND		ug/kg	36.2	4.60	1	A
Aroclor 1268	ND		ug/kg	36.2	3.76	1	A
PCBs, Total	ND		ug/kg	36.2	3.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-03
Client ID: SB-3 (0-2')
Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:50
Date Received: 08/27/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/21 12:09
Analyst: CW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/30/21 13:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	3.12	1	A
Aroclor 1221	ND		ug/kg	35.2	3.52	1	A
Aroclor 1232	ND		ug/kg	35.2	7.46	1	A
Aroclor 1242	ND		ug/kg	35.2	4.74	1	A
Aroclor 1248	ND		ug/kg	35.2	5.28	1	A
Aroclor 1254	ND		ug/kg	35.2	3.85	1	A
Aroclor 1260	ND		ug/kg	35.2	6.50	1	A
Aroclor 1262	ND		ug/kg	35.2	4.47	1	A
Aroclor 1268	ND		ug/kg	35.2	3.64	1	A
PCBs, Total	ND		ug/kg	35.2	3.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-04
 Client ID: SB-4 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/31/21 12:16
 Analyst: CW
 Percent Solids: 99%

Extraction Method: EPA 3546
 Extraction Date: 08/30/21 13:17
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	31.8	2.82	1	A
Aroclor 1221	ND		ug/kg	31.8	3.18	1	A
Aroclor 1232	ND		ug/kg	31.8	6.73	1	A
Aroclor 1242	ND		ug/kg	31.8	4.28	1	A
Aroclor 1248	ND		ug/kg	31.8	4.76	1	A
Aroclor 1254	ND		ug/kg	31.8	3.47	1	A
Aroclor 1260	ND		ug/kg	31.8	5.87	1	A
Aroclor 1262	ND		ug/kg	31.8	4.03	1	A
Aroclor 1268	ND		ug/kg	31.8	3.29	1	A
PCBs, Total	ND		ug/kg	31.8	2.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-05
 Client ID: SB-4 (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:38
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/31/21 12:24
 Analyst: CW
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 08/30/21 13:17
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	3.12	1	A
Aroclor 1221	ND		ug/kg	35.1	3.52	1	A
Aroclor 1232	ND		ug/kg	35.1	7.45	1	A
Aroclor 1242	ND		ug/kg	35.1	4.74	1	A
Aroclor 1248	ND		ug/kg	35.1	5.27	1	A
Aroclor 1254	ND		ug/kg	35.1	3.84	1	A
Aroclor 1260	15.2	J	ug/kg	35.1	6.49	1	A
Aroclor 1262	ND		ug/kg	35.1	4.46	1	A
Aroclor 1268	ND		ug/kg	35.1	3.64	1	A
PCBs, Total	15.2	J	ug/kg	35.1	3.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-06
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 08/31/21 12:31
 Analyst: CW
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 08/30/21 13:17
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	3.26	1	A
Aroclor 1221	ND		ug/kg	36.6	3.67	1	A
Aroclor 1232	ND		ug/kg	36.6	7.77	1	A
Aroclor 1242	ND		ug/kg	36.6	4.94	1	A
Aroclor 1248	ND		ug/kg	36.6	5.50	1	A
Aroclor 1254	ND		ug/kg	36.6	4.01	1	A
Aroclor 1260	ND		ug/kg	36.6	6.77	1	A
Aroclor 1262	ND		ug/kg	36.6	4.66	1	A
Aroclor 1268	ND		ug/kg	36.6	3.80	1	A
PCBs, Total	ND		ug/kg	36.6	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/31/21 10:29
 Analyst: JAW

Extraction Method: EPA 3546
 Extraction Date: 08/30/21 08:45
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1540603-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.22	A
Aroclor 1232	ND		ug/kg	32.2	6.82	A
Aroclor 1242	ND		ug/kg	32.2	4.33	A
Aroclor 1248	ND		ug/kg	32.2	4.82	A
Aroclor 1254	ND		ug/kg	32.2	3.52	A
Aroclor 1260	ND		ug/kg	32.2	5.94	A
Aroclor 1262	ND		ug/kg	32.2	4.08	A
Aroclor 1268	ND		ug/kg	32.2	3.33	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1540603-2 WG1540603-3									
Aroclor 1016	57		87		40-140	42		50	A
Aroclor 1260	57		88		40-140	43		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		92		30-150	A
Decachlorobiphenyl	66		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		88		30-150	B
Decachlorobiphenyl	58		87		30-150	B

PESTICIDES

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-01
 Client ID: SB-4A (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:40
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/03/21 12:29
 Analyst: AR
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 05:48
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.710	0.317	1	A
Alpha-BHC	ND		ug/kg	0.710	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.646	1	A
Heptachlor	ND		ug/kg	0.852	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.959	1	A
Endrin	ND		ug/kg	0.710	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.70	0.439	1	A
Dieldrin	ND		ug/kg	1.06	0.533	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.608	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.403	1	A
Endosulfan II	ND		ug/kg	1.70	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.710	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.994	1	A
Toxaphene	ND		ug/kg	32.0	8.95	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.562	1	A
Chlordane	ND		ug/kg	14.2	5.64	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-01

Date Collected: 08/27/21 09:40

Client ID: SB-4A (0-2')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	149		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	213	Q	30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-02
 Client ID: SB-3 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:58
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/03/21 12:42
 Analyst: AR
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 05:48
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.710	0.317	1	A
Alpha-BHC	ND		ug/kg	0.710	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.646	1	A
Heptachlor	ND		ug/kg	0.852	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.959	1	A
Endrin	ND		ug/kg	0.710	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.70	0.439	1	A
Dieldrin	ND		ug/kg	1.06	0.532	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.608	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.403	1	A
Endosulfan II	ND		ug/kg	1.70	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.710	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.994	1	A
Toxaphene	ND		ug/kg	32.0	8.95	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.562	1	A
Chlordane	ND		ug/kg	14.2	5.64	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-02

Date Collected: 08/27/21 09:58

Client ID: SB-3 (10-12')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	129		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	188	Q	30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-03
 Client ID: SB-3 (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:50
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/03/21 12:54
 Analyst: AR
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 05:48
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.643	1	A
Heptachlor	ND		ug/kg	0.848	0.380	1	A
Aldrin	ND		ug/kg	1.70	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.954	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.742	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.70	0.392	1	A
4,4'-DDD	ND		ug/kg	1.70	0.605	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	ND		ug/kg	0.707	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.990	1	A
Toxaphene	ND		ug/kg	31.8	8.91	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	14.1	5.62	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-03

Date Collected: 08/27/21 09:50

Client ID: SB-3 (0-2')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	130		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	205	Q	30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-04
 Client ID: SB-4 (10-12')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:30
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/03/21 13:07
 Analyst: AR
 Percent Solids: 99%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 05:48
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.60	0.313	1	A
Lindane	ND		ug/kg	0.665	0.297	1	A
Alpha-BHC	ND		ug/kg	0.665	0.189	1	A
Beta-BHC	ND		ug/kg	1.60	0.606	1	A
Heptachlor	ND		ug/kg	0.798	0.358	1	A
Aldrin	ND		ug/kg	1.60	0.562	1	A
Heptachlor epoxide	ND		ug/kg	2.99	0.898	1	A
Endrin	ND		ug/kg	0.665	0.273	1	A
Endrin aldehyde	ND		ug/kg	2.00	0.699	1	A
Endrin ketone	ND		ug/kg	1.60	0.411	1	A
Dieldrin	ND		ug/kg	0.998	0.499	1	A
4,4'-DDE	ND		ug/kg	1.60	0.369	1	A
4,4'-DDD	ND		ug/kg	1.60	0.570	1	A
4,4'-DDT	ND		ug/kg	2.99	1.28	1	A
Endosulfan I	ND		ug/kg	1.60	0.377	1	A
Endosulfan II	ND		ug/kg	1.60	0.534	1	A
Endosulfan sulfate	ND		ug/kg	0.665	0.317	1	A
Methoxychlor	ND		ug/kg	2.99	0.932	1	A
Toxaphene	ND		ug/kg	29.9	8.38	1	A
cis-Chlordane	ND		ug/kg	2.00	0.556	1	A
trans-Chlordane	ND		ug/kg	2.00	0.527	1	A
Chlordane	ND		ug/kg	13.3	5.29	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-04

Date Collected: 08/27/21 09:30

Client ID: SB-4 (10-12')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-05
 Client ID: SB-4 (0-2')
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:38
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/03/21 13:19
 Analyst: AR
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 05:48
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.692	0.309	1	A
Alpha-BHC	ND		ug/kg	0.692	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.630	1	A
Heptachlor	ND		ug/kg	0.830	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.585	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.934	1	A
Endrin	ND		ug/kg	0.692	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.726	1	A
Endrin ketone	ND		ug/kg	1.66	0.428	1	A
Dieldrin	ND		ug/kg	1.04	0.519	1	A
4,4'-DDE	ND		ug/kg	1.66	0.384	1	A
4,4'-DDD	ND		ug/kg	1.66	0.592	1	A
4,4'-DDT	ND		ug/kg	3.11	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.555	1	A
Endosulfan sulfate	ND		ug/kg	0.692	0.329	1	A
Methoxychlor	ND		ug/kg	3.11	0.969	1	A
Toxaphene	ND		ug/kg	31.1	8.72	1	A
cis-Chlordane	ND		ug/kg	2.08	0.578	1	A
trans-Chlordane	ND		ug/kg	2.08	0.548	1	A
Chlordane	ND		ug/kg	13.8	5.50	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-05**Date Collected:** 08/27/21 09:38**Client ID:** SB-4 (0-2')**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	127		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	133		30-150	B

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-06
 Client ID: DUP-20210827
 Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 00:00
 Date Received: 08/27/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/03/21 13:32
 Analyst: AR
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 05:48
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.323	1	A
Alpha-BHC	ND		ug/kg	0.724	0.205	1	A
Beta-BHC	ND		ug/kg	1.74	0.658	1	A
Heptachlor	ND		ug/kg	0.868	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.611	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.977	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.760	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.619	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.344	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	ND		ug/kg	2.17	0.605	1	A
trans-Chlordane	ND		ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.5	5.75	1	A

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-06**Date Collected:** 08/27/21 00:00**Client ID:** DUP-20210827**Date Received:** 08/27/21**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/03/21 11:51
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/31/21 05:48
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1541023-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.630	0.281	A
Alpha-BHC	ND		ug/kg	0.630	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.573	A
Heptachlor	ND		ug/kg	0.756	0.339	A
Aldrin	ND		ug/kg	1.51	0.532	A
Heptachlor epoxide	ND		ug/kg	2.83	0.850	A
Endrin	ND		ug/kg	0.630	0.258	A
Endrin aldehyde	ND		ug/kg	1.89	0.661	A
Endrin ketone	ND		ug/kg	1.51	0.389	A
Dieldrin	ND		ug/kg	0.944	0.472	A
4,4'-DDE	ND		ug/kg	1.51	0.349	A
4,4'-DDD	ND		ug/kg	1.51	0.539	A
4,4'-DDT	ND		ug/kg	2.83	1.22	A
Endosulfan I	ND		ug/kg	1.51	0.357	A
Endosulfan II	ND		ug/kg	1.51	0.505	A
Endosulfan sulfate	ND		ug/kg	0.630	0.300	A
Methoxychlor	ND		ug/kg	2.83	0.882	A
Toxaphene	ND		ug/kg	28.3	7.93	A
cis-Chlordane	ND		ug/kg	1.89	0.526	A
trans-Chlordane	ND		ug/kg	1.89	0.499	A
Chlordane	ND		ug/kg	12.6	5.01	A

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/03/21 11:51
 Analyst: AR

Extraction Method: EPA 3546
 Extraction Date: 08/31/21 05:48
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1541023-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	116		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1541023-2 WG1541023-3									
Delta-BHC	72		72		30-150	0		30	A
Lindane	75		73		30-150	3		30	A
Alpha-BHC	78		75		30-150	4		30	A
Beta-BHC	67		66		30-150	2		30	A
Heptachlor	74		73		30-150	1		30	A
Aldrin	67		67		30-150	0		30	A
Heptachlor epoxide	63		69		30-150	9		30	A
Endrin	71		73		30-150	3		30	A
Endrin aldehyde	51		52		30-150	2		30	A
Endrin ketone	72		74		30-150	3		30	A
Dieldrin	73		74		30-150	1		30	A
4,4'-DDE	68		68		30-150	0		30	A
4,4'-DDD	73		75		30-150	3		30	A
4,4'-DDT	73		76		30-150	4		30	A
Endosulfan I	65		66		30-150	2		30	A
Endosulfan II	68		70		30-150	3		30	A
Endosulfan sulfate	56		57		30-150	2		30	A
Methoxychlor	67		69		30-150	3		30	A
cis-Chlordane	61		57		30-150	7		30	A
trans-Chlordane	70		77		30-150	10		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1541023-2 WG1541023-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		74		30-150	A
Decachlorobiphenyl	89		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		73		30-150	B
Decachlorobiphenyl	107		106		30-150	B

METALS

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-01

Date Collected: 08/27/21 09:40

Client ID: SB-4A (0-2')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7340		mg/kg	8.43	2.28	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Antimony, Total	14.9		mg/kg	4.21	0.320	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Arsenic, Total	7.40		mg/kg	0.843	0.175	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Barium, Total	88.6		mg/kg	0.843	0.147	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Beryllium, Total	0.371	J	mg/kg	0.421	0.028	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.843	0.083	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Calcium, Total	4020		mg/kg	8.43	2.95	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Chromium, Total	17.6		mg/kg	0.843	0.081	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Cobalt, Total	4.77		mg/kg	1.68	0.140	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Copper, Total	49.0		mg/kg	0.843	0.217	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Iron, Total	18200		mg/kg	4.21	0.761	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Lead, Total	428		mg/kg	4.21	0.226	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Magnesium, Total	1840		mg/kg	8.43	1.30	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Manganese, Total	365		mg/kg	0.843	0.134	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Mercury, Total	0.687		mg/kg	0.068	0.044	1	08/31/21 09:25	09/01/21 15:41	EPA 7471B	1,7471B	OU
Nickel, Total	9.87		mg/kg	2.11	0.204	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Potassium, Total	906		mg/kg	211	12.1	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Silver, Total	ND		mg/kg	0.843	0.238	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Sodium, Total	299		mg/kg	168	2.66	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Thallium, Total	ND		mg/kg	1.68	0.266	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Vanadium, Total	23.3		mg/kg	0.843	0.171	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP
Zinc, Total	145		mg/kg	4.21	0.247	2	08/31/21 07:10	09/10/21 12:43	EPA 3050B	1,6010D	MP



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-02

Date Collected: 08/27/21 09:58

Client ID: SB-3 (10-12')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7640		mg/kg	8.77	2.37	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Antimony, Total	1.32	J	mg/kg	4.38	0.333	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Arsenic, Total	3.58		mg/kg	0.877	0.182	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Barium, Total	41.5		mg/kg	0.877	0.152	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Beryllium, Total	0.324	J	mg/kg	0.438	0.029	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.877	0.086	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Calcium, Total	3920		mg/kg	8.77	3.07	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Chromium, Total	14.5		mg/kg	0.877	0.084	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Cobalt, Total	5.30		mg/kg	1.75	0.146	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Copper, Total	15.0		mg/kg	0.877	0.226	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Iron, Total	15900		mg/kg	4.38	0.792	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Lead, Total	169		mg/kg	4.38	0.235	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Magnesium, Total	2010		mg/kg	8.77	1.35	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Manganese, Total	267		mg/kg	0.877	0.139	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Mercury, Total	0.147		mg/kg	0.072	0.047	1	08/31/21 09:25	09/01/21 15:44	EPA 7471B	1,7471B	OU
Nickel, Total	9.59		mg/kg	2.19	0.212	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Potassium, Total	538		mg/kg	219	12.6	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Selenium, Total	ND		mg/kg	1.75	0.226	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Silver, Total	ND		mg/kg	0.877	0.248	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Sodium, Total	131	J	mg/kg	175	2.76	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Thallium, Total	ND		mg/kg	1.75	0.276	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Vanadium, Total	21.7		mg/kg	0.877	0.178	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP
Zinc, Total	48.8		mg/kg	4.38	0.257	2	08/31/21 07:10	09/10/21 12:47	EPA 3050B	1,6010D	MP



Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-03

Date Collected: 08/27/21 09:50

Client ID: SB-3 (0-2')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5140		mg/kg	8.34	2.25	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Antimony, Total	4.50		mg/kg	4.17	0.317	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Arsenic, Total	5.91		mg/kg	0.834	0.174	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Barium, Total	216		mg/kg	0.834	0.145	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Beryllium, Total	0.275	J	mg/kg	0.417	0.028	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.834	0.082	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Calcium, Total	3740		mg/kg	8.34	2.92	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Chromium, Total	12.7		mg/kg	0.834	0.080	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Cobalt, Total	4.27		mg/kg	1.67	0.138	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Copper, Total	63.5		mg/kg	0.834	0.215	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Iron, Total	17400		mg/kg	4.17	0.753	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Lead, Total	440		mg/kg	4.17	0.224	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Magnesium, Total	1210		mg/kg	8.34	1.28	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Manganese, Total	232		mg/kg	0.834	0.133	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Mercury, Total	0.493		mg/kg	0.068	0.045	1	08/31/21 09:25	09/01/21 15:47	EPA 7471B	1,7471B	OU
Nickel, Total	10.4		mg/kg	2.08	0.202	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Potassium, Total	532		mg/kg	208	12.0	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Selenium, Total	0.809	J	mg/kg	1.67	0.215	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Silver, Total	ND		mg/kg	0.834	0.236	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Sodium, Total	275		mg/kg	167	2.63	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Thallium, Total	ND		mg/kg	1.67	0.263	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Vanadium, Total	17.7		mg/kg	0.834	0.169	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP
Zinc, Total	238		mg/kg	4.17	0.244	2	08/31/21 07:10	09/10/21 12:52	EPA 3050B	1,6010D	MP



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-04

Date Collected: 08/27/21 09:30

Client ID: SB-4 (10-12')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2400		mg/kg	7.91	2.14	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Antimony, Total	ND		mg/kg	3.96	0.301	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Arsenic, Total	1.01		mg/kg	0.791	0.164	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Barium, Total	6.28		mg/kg	0.791	0.138	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Beryllium, Total	0.142	J	mg/kg	0.396	0.026	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.791	0.078	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Calcium, Total	232		mg/kg	7.91	2.77	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Chromium, Total	5.70		mg/kg	0.791	0.076	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Cobalt, Total	2.28		mg/kg	1.58	0.131	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Copper, Total	4.23		mg/kg	0.791	0.204	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Iron, Total	7780		mg/kg	3.96	0.714	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Lead, Total	2.10	J	mg/kg	3.96	0.212	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Magnesium, Total	722		mg/kg	7.91	1.22	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Manganese, Total	126		mg/kg	0.791	0.126	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Mercury, Total	ND		mg/kg	0.064	0.042	1	08/31/21 09:25	09/01/21 15:51	EPA 7471B	1,7471B	OU
Nickel, Total	4.31		mg/kg	1.98	0.191	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Potassium, Total	228		mg/kg	198	11.4	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Selenium, Total	ND		mg/kg	1.58	0.204	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Silver, Total	ND		mg/kg	0.791	0.224	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Sodium, Total	43.4	J	mg/kg	158	2.49	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Thallium, Total	ND		mg/kg	1.58	0.249	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Vanadium, Total	9.17		mg/kg	0.791	0.160	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP
Zinc, Total	11.0		mg/kg	3.96	0.232	2	08/31/21 07:10	09/10/21 13:28	EPA 3050B	1,6010D	MP



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-05

Date Collected: 08/27/21 09:38

Client ID: SB-4 (0-2')

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4540		mg/kg	8.39	2.27	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Antimony, Total	16.5		mg/kg	4.20	0.319	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Arsenic, Total	9.63		mg/kg	0.839	0.174	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Barium, Total	95.7		mg/kg	0.839	0.146	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Beryllium, Total	0.235	J	mg/kg	0.420	0.028	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.839	0.082	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Calcium, Total	1570		mg/kg	8.39	2.94	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Chromium, Total	11.2		mg/kg	0.839	0.081	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Cobalt, Total	4.51		mg/kg	1.68	0.139	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Copper, Total	51.0		mg/kg	0.839	0.216	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Iron, Total	11400		mg/kg	4.20	0.758	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Lead, Total	143		mg/kg	4.20	0.225	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Magnesium, Total	1020		mg/kg	8.39	1.29	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Manganese, Total	184		mg/kg	0.839	0.133	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Mercury, Total	1.95		mg/kg	0.067	0.044	1	08/31/21 09:25	09/01/21 15:54	EPA 7471B	1,7471B	OU
Nickel, Total	9.39		mg/kg	2.10	0.203	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Potassium, Total	477		mg/kg	210	12.1	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Selenium, Total	0.655	J	mg/kg	1.68	0.216	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Silver, Total	0.462	J	mg/kg	0.839	0.238	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Sodium, Total	370		mg/kg	168	2.64	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Thallium, Total	ND		mg/kg	1.68	0.264	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Vanadium, Total	16.3		mg/kg	0.839	0.170	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP
Zinc, Total	70.0		mg/kg	4.20	0.246	2	08/31/21 07:10	09/10/21 13:33	EPA 3050B	1,6010D	MP



Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**SAMPLE RESULTS**

Lab ID: L2146283-06

Date Collected: 08/27/21 00:00

Client ID: DUP-20210827

Date Received: 08/27/21

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6980		mg/kg	9.08	2.45	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Antimony, Total	ND		mg/kg	4.54	0.345	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Arsenic, Total	3.32		mg/kg	0.908	0.189	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Barium, Total	44.4		mg/kg	0.908	0.158	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Beryllium, Total	0.327	J	mg/kg	0.454	0.030	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.908	0.089	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Calcium, Total	5830		mg/kg	9.08	3.18	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Chromium, Total	14.2		mg/kg	0.908	0.087	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Cobalt, Total	4.94		mg/kg	1.82	0.151	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Copper, Total	18.1		mg/kg	0.908	0.234	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Iron, Total	14700		mg/kg	4.54	0.820	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Lead, Total	69.8		mg/kg	4.54	0.243	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Magnesium, Total	1660		mg/kg	9.08	1.40	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Manganese, Total	262		mg/kg	0.908	0.144	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Mercury, Total	0.176		mg/kg	0.073	0.048	1	08/31/21 09:25	09/01/21 15:57	EPA 7471B	1,7471B	OU
Nickel, Total	8.54		mg/kg	2.27	0.220	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Potassium, Total	449		mg/kg	227	13.1	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Selenium, Total	ND		mg/kg	1.82	0.234	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Silver, Total	ND		mg/kg	0.908	0.257	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Sodium, Total	139	J	mg/kg	182	2.86	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Thallium, Total	ND		mg/kg	1.82	0.286	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Vanadium, Total	22.6		mg/kg	0.908	0.184	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP
Zinc, Total	53.3		mg/kg	4.54	0.266	2	08/31/21 07:10	09/10/21 13:37	EPA 3050B	1,6010D	MP



Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1540727-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Barium, Total	ND		mg/kg	0.400	0.070	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Chromium, Total	0.080	J	mg/kg	0.400	0.038	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Copper, Total	ND		mg/kg	0.400	0.103	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Iron, Total	0.520	J	mg/kg	2.00	0.361	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Lead, Total	ND		mg/kg	2.00	0.107	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Potassium, Total	ND		mg/kg	100	5.76	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Silver, Total	ND		mg/kg	0.400	0.113	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Sodium, Total	6.97	J	mg/kg	80.0	1.26	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/31/21 07:10	09/10/21 12:34	1,6010D	MP

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1540728-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/31/21 09:25	09/01/21 14:57	1,7471B	OU



Project Name: 352-362 SHEPHERD AVE

Lab Number: L2146283

Project Number: 0201831-000

Report Date: 09/10/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1540727-2 SRM Lot Number: D109-540								
Aluminum, Total	74		-		50-150	-		
Antimony, Total	110		-		19-250	-		
Arsenic, Total	101		-		70-130	-		
Barium, Total	99		-		75-125	-		
Beryllium, Total	90		-		75-125	-		
Cadmium, Total	95		-		75-125	-		
Calcium, Total	92		-		73-128	-		
Chromium, Total	100		-		70-130	-		
Cobalt, Total	95		-		75-125	-		
Copper, Total	99		-		75-125	-		
Iron, Total	101		-		35-165	-		
Lead, Total	97		-		72-128	-		
Magnesium, Total	90		-		62-138	-		
Manganese, Total	90		-		74-126	-		
Nickel, Total	95		-		70-130	-		
Potassium, Total	90		-		59-141	-		
Selenium, Total	99		-		68-132	-		
Silver, Total	102		-		68-131	-		
Sodium, Total	100		-		35-165	-		
Thallium, Total	96		-		68-131	-		
Vanadium, Total	104		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1540727-2 SRM Lot Number: D109-540					
Zinc, Total	99	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1540728-2 SRM Lot Number: D109-540					
Mercury, Total	100	-	60-140	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1540727-3 WG1540727-4 QC Sample: L2146291-05 Client ID: MS Sample												
Aluminum, Total	11000	193	13200	1140	Q	13500	1260	Q	75-125	2		20
Antimony, Total	0.279J	48.4	14.8	31	Q	13.6	27	Q	75-125	8		20
Arsenic, Total	3.58	11.6	15.5	103		16.0	104		75-125	3		20
Barium, Total	48.4	193	222	90		231	92		75-125	4		20
Cadmium, Total	ND	5.13	4.08	80		4.36	83		75-125	7		20
Calcium, Total	391	967	1200	84		1280	89		75-125	6		20
Chromium, Total	16.4	19.3	35.9	101		37.7	107		75-125	5		20
Cobalt, Total	2.57	48.4	43.4	84		45.3	86		75-125	4		20
Copper, Total	7.80	24.2	31.8	99		33.3	103		75-125	5		20
Iron, Total	15600	96.7	18600	3100	Q	18600	3020	Q	75-125	0		20
Lead, Total	10.7	51.3	57.7	92		57.1	88		75-125	1		20
Magnesium, Total	809	967	1780	100		1810	101		75-125	2		20
Manganese, Total	30.1	48.4	71.9	86		73.6	88		75-125	2		20
Nickel, Total	4.83	48.4	44.5	82		46.3	83		75-125	4		20
Potassium, Total	373	967	1300	96		1370	100		75-125	5		20
Selenium, Total	ND	11.6	9.52	82		9.95	83		75-125	4		20
Silver, Total	ND	29	27.0	93		28.6	96		75-125	6		20
Sodium, Total	59.5J	967	960	99		1010	102		75-125	5		20
Thallium, Total	ND	11.6	9.58	82		10.1	85		75-125	5		20
Vanadium, Total	29.4	48.4	79.4	103		88.2	118		75-125	11		20
Zinc, Total	18.3	48.4	64.8	96		66.5	97		75-125	3		20

Matrix Spike Analysis
Batch Quality Control**Project Name:** 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146283**Report Date:** 09/10/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1540728-3 QC Sample: L2146348-01 Client ID: MS Sample									
Mercury, Total	0.361	0.161	0.512	94	-	-	80-120	-	20

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146283**Report Date:** 09/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1540728-4 QC Sample: L2146348-01 Client ID: DUP Sample						
Mercury, Total	0.361	0.551	mg/kg	42	Q	20

INORGANICS & MISCELLANEOUS

Project Name: 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146283**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-01**Client ID:** SB-4A (0-2')**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Date Collected:** 08/27/21 09:40**Date Received:** 08/27/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	08/31/21 08:18	121,2540G	PR



Project Name: 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146283**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-02**Client ID:** SB-3 (10-12')**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Date Collected:** 08/27/21 09:58**Date Received:** 08/27/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	08/31/21 08:18	121,2540G	PR



Project Name: 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146283**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-03**Client ID:** SB-3 (0-2')**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Date Collected:** 08/27/21 09:50**Date Received:** 08/27/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	08/31/21 08:18	121,2540G	PR



Project Name: 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146283**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-04**Client ID:** SB-4 (10-12')**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Date Collected:** 08/27/21 09:30**Date Received:** 08/27/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.6		%	0.100	NA	1	-	08/31/21 08:18	121,2540G	PR



Project Name: 352-362 SHEPHERD AVE

Project Number: 0201831-000

Lab Number: L2146283

Report Date: 09/10/21

SAMPLE RESULTS

Lab ID: L2146283-05

Client ID: SB-4 (0-2')

Sample Location: 352-362 SHEPHERD AVE BROOKLYN, NY

Date Collected: 08/27/21 09:38

Date Received: 08/27/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	08/31/21 08:18	121,2540G	PR



Project Name: 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146283**Report Date:** 09/10/21**SAMPLE RESULTS****Lab ID:** L2146283-06**Client ID:** DUP-20210827**Sample Location:** 352-362 SHEPHERD AVE BROOKLYN, NY**Date Collected:** 08/27/21 00:00**Date Received:** 08/27/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	08/31/21 08:18	121,2540G	PR



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 352-362 SHEPHERD AVE**Project Number:** 0201831-000**Lab Number:** L2146283**Report Date:** 09/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1541101-1 QC Sample: L2146310-10 Client ID: DUP Sample						
Solids, Total	82.2	82.5	%	0		20

Project Name: 352-362 SHEPHERD AVE**Lab Number:** L2146283**Project Number:** 0201831-000**Report Date:** 09/10/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146283-01A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2146283-01B	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-01C	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-01D	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2146283-01E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),NI-Ti(180),TL-Ti(180),CR-Ti(180),PB-Ti(180),SB-Ti(180),ZN-Ti(180),SE-Ti(180),CU-Ti(180),CO-Ti(180),V-Ti(180),HG-T(28),MG-Ti(180),FE-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L2146283-01F	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2146283-02A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2146283-02B	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-02C	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-02D	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2146283-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),TL-Ti(180),CR-Ti(180),AL-Ti(180),NI-Ti(180),CU-Ti(180),SB-Ti(180),ZN-Ti(180),SE-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),HG-T(28),FE-Ti(180),MG-Ti(180),K-Ti(180),CD-Ti(180),CA-Ti(180),NA-Ti(180)
L2146283-02F	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2146283-03A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2146283-03B	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-03C	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-03D	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Serial_No: 09102116:29
Lab Number: L2146283
Report Date: 09/10/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146283-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),CR-Ti(180),NI-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),HG-T(28),MN-Ti(180),MG-Ti(180),CA-Ti(180),NA-Ti(180),K-Ti(180),CD-Ti(180)
L2146283-03F	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2146283-04A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2146283-04B	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-04C	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-04D	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2146283-04E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CU-Ti(180),SE-Ti(180),ZN-Ti(180),PB-Ti(180),SB-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MN-Ti(180),MG-Ti(180),HG-T(28),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L2146283-04F	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		A2-1,4-DIOXANE-SIM(14)
L2146283-04G	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2146283-05A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2146283-05B	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-05C	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-05D	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2146283-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),AL-Ti(180),TL-Ti(180),SE-Ti(180),CU-Ti(180),PB-Ti(180),ZN-Ti(180),SB-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),K-Ti(180),CA-Ti(180),CD-Ti(180),NA-Ti(180)
L2146283-05F	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2146283-06A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2146283-06B	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-06C	Vial water preserved	B	NA		2.8	Y	Absent	28-AUG-21 06:28	NYTCL-8260HLW(14)
L2146283-06D	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Serial_No: 09102116:29
Lab Number: L2146283
Report Date: 09/10/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2146283-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),SB-Ti(180),ZN-Ti(180),PB-Ti(180),CU-Ti(180),SE-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L2146283-06F	Glass 250ml/8oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 352-362 SHEPHERD AVE
Project Number: 0201831-000

Lab Number: L2146283
Report Date: 09/10/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 8/28/21		ALPHA Job # 12146283																																																																																																																																																																																																										
Client Information Client: <u>Haley and Aldrich of NY</u> Address: <u>237 W 35th Street</u> <u>New York, NY 10123</u> Phone: _____ Fax: _____ Email: <u>MCenlon@haleyaldrich.com</u>		Project Information Project Name: <u>352-362 Shepherd Ave</u> Project Location: <u>352-362 Shepherd Ave, Brooklyn, NY</u> Project # <u>0201831-000</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☒ Other <u>PDF+excel</u>		Billing Information ☒ Same as Client Info PO # _____																																																																																																																																																																																																												
		Project Manager: <u>M. Conlon</u> ALPHAQuote #: _____ Turn-Around Time Standard ☒ Due Date: _____ Rush (only if pre approved) ☐ # of Days: _____		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☒ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other: _____																																																																																																																																																																																																												
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: _____ _____ Please specify Metals or TAL. _____				ANALYSIS TLL PCBs 80824 TLL VOCs 8260C TLL SVOCs 8270D TLL Pesticides 8081B TAL Metals 6026 1,4-Dioxane		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments		Total Bottles																																																																																																																																																																																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">TLL PCBs 80824</th> <th rowspan="2">TLL VOCs 8260C</th> <th rowspan="2">TLL SVOCs 8270D</th> <th rowspan="2">TLL Pesticides 8081B</th> <th rowspan="2">TAL Metals 6026</th> <th rowspan="2">1,4-Dioxane</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>46283-01</td> <td>SB-4A (0-2')</td> <td>8/27/21</td> <td>0940</td> <td>S</td> <td>SC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>56</td> </tr> <tr> <td>02</td> <td>SB-3 (10-12')</td> <td>8/27/21</td> <td>0945</td> <td>S</td> <td>SC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>56</td> </tr> <tr> <td>03</td> <td>SB-3 (0-2')</td> <td>8/27/21</td> <td>0950</td> <td>S</td> <td>SC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>56</td> </tr> <tr> <td>04</td> <td>SB-4 (10-12')</td> <td>8/27/21</td> <td>0930</td> <td>S</td> <td>SC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>05</td> <td>SB-4 (0-2')</td> <td>8/27/21</td> <td>0938</td> <td>S</td> <td>SC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td> </tr> <tr> <td>06</td> <td>DVP-20210827</td> <td>8/27/21</td> <td></td> <td>S</td> <td>SC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials		TLL PCBs 80824	TLL VOCs 8260C	TLL SVOCs 8270D	TLL Pesticides 8081B	TAL Metals 6026	1,4-Dioxane							Date	Time	46283-01	SB-4A (0-2')	8/27/21	0940	S	SC	X	X	X	X	X								56	02	SB-3 (10-12')	8/27/21	0945	S	SC	X	X	X	X	X								56	03	SB-3 (0-2')	8/27/21	0950	S	SC	X	X	X	X	X								56	04	SB-4 (10-12')	8/27/21	0930	S	SC	X	X	X	X	X	X							7	05	SB-4 (0-2')	8/27/21	0938	S	SC	X	X	X	X	X								6	06	DVP-20210827	8/27/21		S	SC	X	X	X	X	X																																																																																		
ALPHA Lab ID (Lab Use Only)	Sample ID			Collection																	Sample Matrix	Sampler's Initials	TLL PCBs 80824	TLL VOCs 8260C	TLL SVOCs 8270D	TLL Pesticides 8081B	TAL Metals 6026	1,4-Dioxane																																																																																																																																																																																						
		Date	Time																																																																																																																																																																																																															
46283-01	SB-4A (0-2')	8/27/21	0940	S	SC	X	X		X	X	X								56																																																																																																																																																																																															
02	SB-3 (10-12')	8/27/21	0945	S	SC	X	X		X	X	X								56																																																																																																																																																																																															
03	SB-3 (0-2')	8/27/21	0950	S	SC	X	X		X	X	X								56																																																																																																																																																																																															
04	SB-4 (10-12')	8/27/21	0930	S	SC	X	X		X	X	X	X							7																																																																																																																																																																																															
05	SB-4 (0-2')	8/27/21	0938	S	SC	X	X		X	X	X								6																																																																																																																																																																																															
06	DVP-20210827	8/27/21		S	SC	X	X		X	X	X																																																																																																																																																																																																							
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type A V A A A A		Preservative A F A A A A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																																																																																								
Relinquished By: _____ Date/Time: 8/27/21 13:30 8/27/21 17:30 8/28/21 01:30		Received By: _____ Date/Time: 8/27/21 17:30 8/28/21 01:30																																																																																																																																																																																																																