

March 17, 2014

470 Kent Avenue LLC  
505 Park Avenue, Suite 1700  
New York, NY 10022

Attn: Mr. Chris Sullivan, Associate Counsel

Re: Subsurface Investigation Letter Report  
470 Kent Avenue – Brooklyn, NY  
Block 2134, Lots 1 and 150

Dear Chris,

Between February 28 and March 4, 2014, Tenen Environmental, LLC (Tenen) conducted environmental due diligence investigation activities at the above Site. This memorandum provides a summary of our findings and the results of the laboratory analysis. The investigation was completed on the southern portion of the property, outside of the boundaries of the former Manufactured Gas Plant (MGP).

#### **Site Location**

The Site is located in the Williamsburg section of Brooklyn, New York. The tax map designation of the property is Block 2134, Lots 1 and 150. Lot 1, the eastern lot, is a rectangular-shaped parcel of 94,500 square feet located on the west side of Kent Avenue, between South 9<sup>th</sup> Street and Division Avenue. Lot 1 has approximately 1,000 feet of frontage along Kent Avenue and is approximately 282 feet deep. The western lot, Lot 150, is approximately 68,690 square feet, with approximately 105 feet of frontage along Division Avenue and approximately 533 feet deep. The total square footage of the Site is 163,190 square feet. The Wallabout Channel of the East River is located along the western border of the Site.

#### **Previous Investigations**

The following environmental investigations have been completed at the Site:

- *Phase I Environmental Site Assessment Report, 460 Kent Avenue, Brooklyn, New York. AKRF. January 2004*
- *470 Kent Avenue, Subsurface (Phase II) Investigation. AKRF. October 2005*
- *Phase I Environmental Site Assessment Report, 462 Kent Avenue, Brooklyn, New York. Environmental Business Consultants, September 6, 2011*
- *Phase II Subsurface Investigation Report (REVISED), NYCOER Environmental Review Program, CEQR No. 08DCP056K, 462 Kent Avenue, Brooklyn, New York. Environmental Business Consultants. December 28, 2011*
- *Peoples Works Manufactured Gas Plant Site, Brooklyn, Kings County, New York, NYSDEC Site No. 224053, Index No. A2-0552-0606, Draft Site Characterization Report. Tetra Tech EC, Inc. March 2012.*

As indicated in the 2004 and 2011 Phase I ESAs, and supported by historic documentation, the Site has a history of industrial operations spanning over 100 years. Past uses have included a manufactured gas plant, which operated on the north part of the Site from approximately 1868 through 1893-1896; molasses storage; sugar refining; warehousing; brewery bottling and case storage; and a lumberyard. The 2011 Phase I ESA also noted that, starting in the 1980's, the eastern building housed various apparel-related operations. A truck loading area is shown in the historic maps dated 1950 and later.

Both the 2005 AKRF and 2012 Tetra Tech investigations focused on the portion of the Site formerly occupied by the People's Works MGP. However, the results of these investigations did not support the presence of contamination associated with prior coal gas manufacture and no structures or materials indicative of prior MGP uses were observed during the field activities. These findings are consistent with historic information that indicates that all coal tar products and MGP structures were removed from the property when the People's Works MGP was decommissioned in the late 1800's (AKRF, 2005). Furthermore, based upon the information obtained from a 2007 GEI letter report, Tetra Tech concluded that the absence of MGP-related contamination was consistent with the brief period during which the carbureted water gas (CWG) process was used and the relatively low volume of gas produced relative to other Brooklyn Union Gas MGPs.

Subsurface investigations conducted between 2005 and 2014 identified concentrations of petroleum-related compounds (predominantly BTEX and naphthalene), chlorinated volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), metals, polychlorinated biphenyls (PCBs) and pesticides in soils and groundwater at concentrations above the applicable regulatory levels. Based on the conclusions of prior investigations, these contaminants are associated with historic non-MGP site uses, including petroleum storage, and with the presence of the historic fill material on the Site.

### **Field Investigation**

The field investigation was completed between February 28 and March 4, 2014. A photographic log is included as Attachment 1.

### Geophysical Survey

On February 28, 2014, Tenen and Naeva Geophysics, Inc. (Naeva) completed a geophysical investigation at accessible portions of the property to identify possible undocumented underground storage tanks (USTs) and mark out detectable subsurface utilities in the vicinities of proposed environmental boring locations. The equipment used included a Fisher TW-6 Pipe and Cable Locator (a type of hand-held electromagnetic metal-detector), a Subsite 950 utility locator, a Dynatel 2250 Cable Locator and a Malå RAMAC/Ground Penetrating Radar (GPR) system with a 250 MHz antenna. Naeva's report is included as Attachment 2.

Two underground storage tanks (USTs) were identified south of the area formerly occupied by the MGP. Based on the observed size of a tank vault, Naeva estimated that the capacity of each tank as between 4,000 and 6,000 gallons. The USTs were further investigated through sampling, as described below. Several additional anomalies were detected in the parking lot area; however, the equipment did not register a strong response and the detection depth was limited by the fill material.

### Sample Collection

On March 2 and 4, 2014, Tenen collected soil samples from eight borings, soil vapor samples from four sample locations and groundwater from five temporary monitoring wells and one volume of purge water. Drilling was performed by PAL Environmental Services (PAL) of Long Island City, NY. Sample locations are shown on Figure 2. A summary of sample designations, media sampled and locations is included below.

Boring Locations, Sample Designations and Media Sampled

| Boring Location | Sample Name | Sample Type | Description of Location                        |
|-----------------|-------------|-------------|------------------------------------------------|
| SB1             | SB1 (0-5)   | Soil        | Lot 1, near southeast entrance to parking lot. |
|                 | TMW1        | Groundwater |                                                |
| SV1             | SV1         | Soil Vapor  |                                                |
| SB2             | SB2 (0.5-3) | Soil        | Lot 1, in basement of the main Site building.  |
|                 | TMW2        | Groundwater |                                                |

| Boring Location | Sample Name | Sample Type | Description of Location                               |
|-----------------|-------------|-------------|-------------------------------------------------------|
| SV2             | SV2         | Soil Vapor  |                                                       |
| SB3             | SB3 (8-10)  | Soil        | Lot 150, center of parking area, south of USTs.       |
|                 | TMW3        | Groundwater |                                                       |
| SV3             | SV3         | Soil Vapor  |                                                       |
| SB4             | SB4 (8-10)  | Soil        | Lot 150, in back Site building, downgradient of USTs. |
|                 | TMW4        | Groundwater |                                                       |
| SV4             | SV4         | Soil Vapor  |                                                       |
| SB5             | SB5 (8-10)  | Soil        | Lot 150, in covered area of the Site, near USTs.      |
|                 | SB5 (13-15) |             |                                                       |
|                 | TMW5        | Groundwater |                                                       |
| SB6             | SB6 (0-5)   | Soil        | Lot 150, southwest corner of the Site.                |
| SB7             | SB7 (2-5)   | Soil        | Lot 150, downgradient border of the Site.             |
| SB8             | SB8 (5-7)   | Soil        | Lot 1, southwest corner of main Site building.        |

Note: soil vapor samples were located a minimum five feet from the borings used for soil and groundwater sample collection.

All samples were screened using a calibrated photoionization detector (PID). The highest PID reading, 22 parts per million (ppm), was recorded in boring SB5.

Soil was collected using dedicated acetate liners. All soil borings were extended to the groundwater, except where noted, and soil samples were collected from the interval of highest suspected contamination in each boring. Samples were collected at different intervals in boring SB5 due to low sample recovery. Soil vapor samples were collected by setting a six-inch long soil vapor point at two feet below grade (ft-bg). Groundwater samples were collected from temporary monitoring wells constructed of 1-inch diameter PVC screen. A photographic log is included in Attachment 1 and lithologic logs are included in Attachment 3.

Groundwater was encountered at depths ranging from five to 15 ft-bg. Evidence of petroleum was encountered in borings SB3, SB4 and SB5. Petroleum-based free product was detected in the purge water and on the screen at boring SB4; however, there was no measurable thickness. A sample of the purge water was also collected for analysis.

Some fill constituents (asphalt, concrete chips, brick fragments, ash and cinders) were observed in some shallow intervals. Fill was generally underlain with silts and sands closer to Kent Avenue and by organic clay closer to Wallabout Channel.

#### Sample Analysis

The samples were preserved on ice and sent under chain-of-custody documentation to Alpha Analytical, Inc. (Alpha). Alpha is certified by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) as LABIDs 11148 and 11627. Soil samples were analyzed for VOCs, SVOCs, pesticides, polychlorinated biphenyls (PCBs) and Target Analyte List (TAL) metals. Soil vapor samples were analyzed for TO-15 VOCs. Soil samples were analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals (total and dissolved).

Soil results were compared to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use soil cleanup objectives (SCOs) as listed in 6 NYCRR Part 375-6.8(a). Soil vapor results were compared to the New York State Department of Health (NYSDOH) Air Guidance Values (AGVs). Groundwater results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Water Quality Standards and Guidance Values (Class GA Standards).

Note that the AGVs and background values apply to indoor air concentrations; however, they are used in this report to screen the soil vapor results.

#### Sample Results

Sample results are included in Tables 1 through 10. Laboratory deliverables are included in Attachment 4.

#### *Soil*

Petroleum-related compounds, specifically benzene, toluene, xylenes and naphthalene, were detected above the Unrestricted Use SCO in sample SB5 (13-15). Benzene was detected at 1.2 milligrams per kilogram (mg/kg), toluene at 1.4 mg/kg, xylenes at 2.84 mg/kg and naphthalene at 54 mg/kg. Several other petroleum-related compounds were detected in samples collected from borings SB5 and SB7, consistent with weathered petroleum product.

Estimated concentrations of the chlorinated VOC tetrachloroethylene (PCE) were detected in shallow samples from borings SB1, SB3 and SB5.

Several SVOCs typically related to historic fill were detected above the Unrestricted Use SCO, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene. The concentrations above the Unrestricted Use SCO were detected in samples SB1 (0-5), SB4 (8-10), SB5 (8-10) and SB7 (2-5). Benzo(a)pyrene equivalents ranged up to 12.689 mg/kg in boring SB5 (8-10).

Several metals, including arsenic, barium, copper, lead, mercury, nickel and zinc were detected above the Unrestricted Use SCO. Arsenic was detected at 18 mg/kg, barium at 580 mg/kg, copper at 130 mg/kg, lead at 940 mg/kg, mercury at 2.5 mg/kg, nickel at 40 mg/kg and zinc at 560 mg/kg.

Concentrations of the pesticide 4,4'-DDT were detected above the Unrestricted Use SCO in two samples at a maximum concentration of 0.0156 mg/kg.

PCBs were detected in two samples, at concentrations below the Unrestricted Use SCO.

#### *Soil Vapor*

Several petroleum- and chlorinated solvent-related compounds were detected in the soil vapor samples collected at the Site. Trichlorethylene (TCE) was detected at 20.3 micrograms per cubic meter (ug/m<sup>3</sup>), above the NYSDOH AGV of 5 ug/m<sup>3</sup>.

The following compounds were detected at the Site: propylene, dichlorodifluoromethane, chloromethane, ethanol, acetone, isopropanol, carbon disulfide, 2-Butanone, n-hexane, benzene, trichloroethene, heptane, toluene, PCE and p/m-xylene.

#### *Groundwater*

Petroleum-related compounds, specifically benzene, toluene, xylenes and naphthalene, were detected above the Class GA Standards in temporary well TMW5. Benzene was detected at 86 micrograms per liter (ug/L), toluene at 29 ug/L, m/p-xylenes at 33 ug/L, o-xylene at 14 ug/L and naphthalene at 440 ug/L. Please note that while there were no compounds detected above the Class GA Standards in temporary well TMW4, evidence of free product was observed.

The chlorinated solvents PCE and TCE were detected above the Class GA Standards in temporary well TMW1 at concentrations of 28 and 26 ug/L, respectively. PCE breakdown compound, cis-1,2-dichloroethylene, was also detected in sample TMW1. PCE was also detected in temporary wells TMW2 and TMW4.

Several SVOCs, including naphthalene at 340 ug/L in temporary well TMW5 and several fill-related PAHs, were detected in the groundwater above the Class GA Standards. Dissolved concentrations of antimony, iron, magnesium, manganese, selenium and sodium were detected above the Class GA Standards. These are likely related to fill material, with the exception of sodium, which is an indicator of salt-water intrusion from the Wallabout Channel.

## Findings

The due diligence investigation indicated the following:

- Two previously unidentified USTs are present at the Site. The capacity of each is estimated to be between 4,000 and 6,000 gallons;
- Evidence of a petroleum release was detected in borings SB4, SB5 and SB7. The distribution indicates that the highest concentrations are in the area of the USTs. Soil and groundwater concentrations are above applicable regulatory levels;
- Soil and groundwater sampling indicated the presence of fill-related impacts;
- Chlorinated solvents have been detected above regulatory levels in soil vapor and groundwater. Shallow soil impacts were also recorded, but below applicable regulatory levels.

Please contact us if you need any additional information.

Sincerely,  
Tenen Environmental, LLC

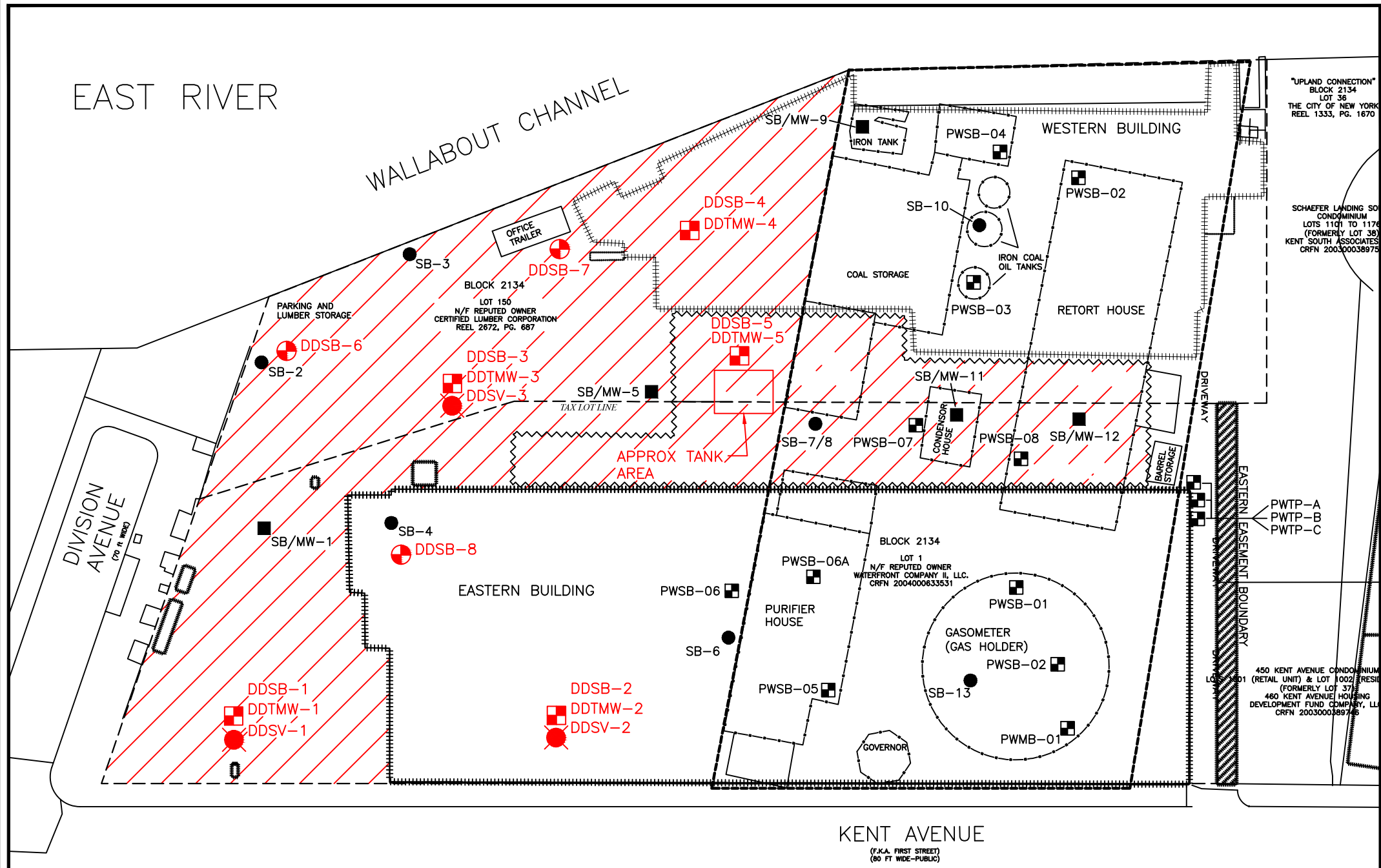


Matthew Carroll, P.E.  
Principal / Environmental Engineer

Figure 1      Site Location  
Figure 2      Soil and Soil Vapor Sample Locations

Attachment 1    Photographic Log  
Attachment 2    Geophysical Report  
Attachment 3    Lithologic Logs  
Attachment 4    Laboratory Deliverables

## Figures



BASE MAP FROM TETRA TECH EC, INC., COMPLETED MARCH 27, 2012 WITH THE FOLLOWING SOURCES:  
1. BOUNDARY AND SURVEY, NATIONAL GRID - FORMER PEOPLES WORKSITE, BROOKLYN, NY  
2. SANBORN FIRE INSURANCE MAP, DATED 1887.

0 30 60  
SCALE: 1" = 60'

CLIENT  
470 Kent Avenue  
Brooklyn, NY

CONSULTANT  
**TENENVIRONMENTAL**  
TENEN ENVIRONMENTAL, LLC  
121 West 27th Street  
Suite 1004  
New York, NY 10001  
O: 646-606-2332  
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DRAWN BY: JM  
CHECKED BY: MC  
DATE: MARCH 2014  
SCALE: AS NOTED

DRAWING TITLE: SAMPLE LOCATIONS  
DRAWING NO.: Figure 1

# Tables



Table 1  
Volatile Organic Compounds (VOCs) in Soil Vapor  
470 Kent Avenue - Brooklyn, NY  
OER #14EHAZ352K, CEQR #04DCP003K

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID                   |               | SV1<br>3/4/2014<br>L1404619-02 |      | SV-2<br>3/4/2014<br>L1404619-03 |      | SV-3<br>1/9/2014<br>L1401100-03 |      | SV4<br>3/4/2014<br>L1404619-04 |      |
|--------------------------------------------------------------|---------------|--------------------------------|------|---------------------------------|------|---------------------------------|------|--------------------------------|------|
| Volatile Organic Compounds: TO-15<br>Unit: ug/m <sup>3</sup> | NYSDOH<br>AGV | Result                         | Qual | Result                          | Qual | Result                          | Qual | Result                         | Qual |
| Ethylbenzene                                                 | --            | 1.99                           | U    | 2.59                            | U    | 1.73                            | U    | 1.94                           | U    |
| Styrene                                                      | --            | 1.95                           | U    | 2.54                            | U    | 1.7                             | U    | 1.9                            | U    |
| Benzyl chloride                                              | --            | 2.37                           | U    | 3.09                            | U    | 2.07                            | U    | 2.31                           | U    |
| cis-1,3-Dichloropropene                                      | --            | 2.07                           | U    | 2.71                            | U    | 1.81                            | U    | 2.03                           | U    |
| trans-1,3-Dichloropropene                                    | --            | 2.07                           | U    | 2.71                            | U    | 1.81                            | U    | 2.03                           | U    |
| 1,4-Dichlorobenzene                                          | --            | 2.75                           | U    | 3.58                            | U    | 2.4                             | U    | 2.69                           | U    |
| 1,2-Dibromoethane                                            | --            | 3.51                           | U    | 4.58                            | U    | 3.07                            | U    | 3.44                           | U    |
| 1,3-Butadiene                                                | --            | 1.01                           | U    | 1.32                            | U    | 0.883                           | U    | 0.989                          | U    |
| 3-Chloropropene                                              | --            | 1.43                           | U    | 1.87                            | U    | 1.25                            | U    | 1.4                            | U    |
| 1,2-Dichloroethane                                           | --            | 1.85                           | U    | 2.41                            | U    | 1.61                            | U    | 1.81                           | U    |
| Vinyl acetate                                                | --            | 1.61                           | U    | 2.1                             | U    | 1.4                             | U    | 1.57                           | U    |
| 4-Methyl-2-pentanone                                         | --            | 1.87                           | U    | 2.44                            | U    | 1.64                            | U    | 1.83                           | U    |
| 1,3,5-Trimethylbenzene                                       | --            | 2.25                           | U    | 2.93                            | U    | 1.96                            | U    | 2.2                            | U    |
| Toluene                                                      | --            | 4.03                           | U    | 8.71                            | U    | 2.48                            | U    | 3.88                           | U    |
| Chlorobenzene                                                | --            | 2.1                            | U    | 2.74                            | U    | 1.84                            | U    | 2.06                           | U    |
| Tetrahydrofuran                                              | --            | 1.35                           | U    | 1.76                            | U    | 1.18                            | U    | 1.32                           | U    |
| n-Hexane                                                     | --            | 2.49                           | U    | 52.2                            | U    | 67.3                            | U    | 37                             | U    |
| Cyclohexane                                                  | --            | 1.57                           | U    | 2.05                            | U    | 1.37                            | U    | 1.54                           | U    |
| 1,2,4-Trichlorobenzene                                       | --            | 4.15                           | U    | 15.9                            | U    | 61.6                            | U    | 13                             | U    |
| 1,4-Dioxane                                                  | --            | 3.39                           | U    | 4.42                            | U    | 2.96                            | U    | 3.32                           | U    |
| Dibromochloromethane                                         | --            | 1.65                           | U    | 2.15                            | U    | 1.44                            | U    | 1.61                           | U    |
| Tetrachloroethene (PCE)                                      | 30            | 3.89                           | U    | 5.08                            | U    | 3.4                             | U    | 3.81                           | U    |
| Ethyl Acetate                                                | --            | 3.1                            | U    | 5.49                            | U    | 2.71                            | U    | 3.03                           | U    |
| Heptane                                                      | --            | 4.11                           | U    | 5.37                            | U    | 3.59                            | U    | 4.04                           | U    |
| cis-1,2-Dichloroethene                                       | --            | 1.87                           | U    | 17.8                            | U    | 18.1                            | U    | 37.7                           | U    |
| trans-1,2-Dichloroethene                                     | --            | 1.81                           | U    | 2.36                            | U    | 1.58                            | U    | 1.77                           | U    |
| Methyl tert butyl ether                                      | --            | 1.81                           | U    | 2.36                            | U    | 1.58                            | U    | 1.77                           | U    |
| p/m-Xylene                                                   | --            | 1.65                           | U    | 2.15                            | U    | 1.44                            | U    | 1.61                           | U    |
| 2,2,4-Trimethylpentane                                       | --            | 3.97                           | U    | 5.78                            | U    | 3.46                            | U    | 3.88                           | U    |
| 1,3-Dichlorobenzene                                          | --            | 2.13                           | U    | 2.78                            | U    | 1.86                            | U    | 2.09                           | U    |
| Carbon tetrachloride                                         | --            | 2.75                           | U    | 3.58                            | U    | 2.4                             | U    | 2.69                           | U    |
| 2-Hexanone                                                   | --            | 2.87                           | U    | 3.75                            | U    | 2.51                            | U    | 2.81                           | U    |
| Vinyl bromide                                                | --            | 1.87                           | U    | 2.44                            | U    | 1.64                            | U    | 1.83                           | U    |
| 4-Ethyltoluene                                               | --            | 2                              | U    | 2.61                            | U    | 1.74                            | U    | 1.95                           | U    |
| Ethanol                                                      | --            | 2.25                           | U    | 2.93                            | U    | 1.96                            | U    | 2.2                            | U    |
| Isopropanol                                                  | --            | 23.9                           | U    | 60.7                            | U    | 43.5                            | U    | 34.5                           | U    |
| Acetone                                                      | --            | 2.8                            | U    | 9.64                            | U    | 7.67                            | U    | 4.1                            | U    |
| Chloroform                                                   | --            | 12                             | U    | 7.08                            | U    | 60.8                            | U    | 17.6                           | U    |
| Benzene                                                      | --            | 2.23                           | U    | 2.91                            | U    | 1.95                            | U    | 2.18                           | U    |
| 1,1,1-Trichloroethane                                        | --            | 2.61                           | U    | 4.12                            | U    | 1.27                            | U    | 2.5                            | U    |
| Bromomethane                                                 | --            | 2.49                           | U    | 3.25                            | U    | 2.18                            | U    | 2.44                           | U    |
| Chloromethane                                                | --            | 1.77                           | U    | 2.31                            | U    | 1.55                            | U    | 1.74                           | U    |
| Chloroethane                                                 | --            | 0.944                          | U    | 1.23                            | U    | 1.48                            | U    | 0.923                          | U    |
| Vinyl chloride                                               | --            | 1.21                           | U    | 1.57                            | U    | 1.05                            | U    | 1.18                           | U    |
| Methylene chloride                                           | 60            | 1.17                           | U    | 1.52                            | U    | 1.02                            | U    | 1.14                           | U    |
| Carbon disulfide                                             | --            | 7.92                           | U    | 10.4                            | U    | 6.91                            | U    | 7.75                           | U    |
| Bromoform                                                    | --            | 1.42                           | U    | 1.86                            | U    | 3.92                            | U    | 2.03                           | U    |
| Bromodichloromethane                                         | --            | 4.73                           | U    | 6.16                            | U    | 4.13                            | U    | 4.62                           | U    |
| 1,1-Dichloroethane                                           | --            | 3.06                           | U    | 3.99                            | U    | 2.67                            | U    | 2.99                           | U    |
| 1,1-Dichloroethene                                           | --            | 1.85                           | U    | 2.41                            | U    | 1.61                            | U    | 1.81                           | U    |
| Tertiary butyl Alcohol                                       | --            | 1.81                           | U    | 2.36                            | U    | 1.58                            | U    | 1.77                           | U    |
| Trichlorofluoromethane                                       | --            | 2.57                           | U    | 3.35                            | U    | 2.24                            | U    | 2.51                           | U    |
| Dichlorodifluoromethane                                      | --            | 3.09                           | U    | 2.95                            | U    | 7.52                            | U    | 2.9                            | U    |
| Freon-113                                                    | --            | 3.5                            | U    | 4.57                            | U    | 3.06                            | U    | 3.43                           | U    |
| Freon-114                                                    | --            | 3.19                           | U    | 4.17                            | U    | 2.79                            | U    | 3.12                           | U    |
| 1,2-Dichloropropane                                          | --            | 2.11                           | U    | 2.75                            | U    | 1.84                            | U    | 2.07                           | U    |
| 2-Butanone                                                   | --            | 1.35                           | U    | 4.84                            | U    | 5.25                            | U    | 1.32                           | U    |
| 1,1,2-Trichloroethane                                        | --            | 2.49                           | U    | 3.25                            | U    | 2.18                            | U    | 2.44                           | U    |
| Trichloroethene                                              | 5             | 2.46                           | U    | 20.3                            | U    | 2.14                            | U    | 2.4                            | U    |
| 1,1,2,2-Tetrachloroethane                                    | --            | 3.14                           | U    | 4.09                            | U    | 2.74                            | U    | 3.07                           | U    |
| Hexachlorobutadiene                                          | --            | 4.87                           | U    | 6.36                            | U    | 4.26                            | U    | 4.77                           | U    |
| o-Xylene                                                     | --            | 1.99                           | U    | 2.59                            | U    | 1.73                            | U    | 1.94                           | U    |
| 1,2-Dichlorobenzene                                          | --            | 2.75                           | U    | 3.58                            | U    | 2.4                             | U    | 2.69                           | U    |
| 1,2,4-Trimethylbenzene                                       | --            | 2.25                           | U    | 2.93                            | U    | 1.96                            | U    | 2.2                            | U    |

NYSDOH AGV = New York State Department of Health Air Guidance Values

NYSDOH AGV values from NYSDOH Soil Vapor Guidance, October 2006, except for the revised AGV for PCE from Fact Sheet: Tetrachloroethene (PERC)

in Indoor & Outdoor Air, September 2013

Cells highlighted in yellow indicate concentrations above the NYSDOH AGV

RL = Reporting Limit

Qual = Laboratory Data Qualifier

For U qualified entries, the RL is shown

U = not detected at or above the RL

-- = No Standard

Results and RL values are in micrograms per cubic meter (ug/m<sup>3</sup>)

Table 2  
Volatile Organic Compounds (VOCs) in Soil  
407 Kent Avenue - Brooklyn, NY

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID       |          | SB1 (0-5')<br>3/2/2014<br>L1404475-05 |      | SB2 (0.5-3')<br>3/4/2014<br>L1404493-01 |      | SB3 (8-10')<br>3/2/2014<br>L1404475-01 |      | SB4 (8-10')<br>3/4/2014<br>L1404493-03 |      | SB5 (13-15')<br>3/2/2014<br>L1404475-11 |      | SB6 (0-5')<br>3/2/2014<br>L1404475-06 |      | SB7 (2-5')<br>3/2/2014<br>L1404475-08 |      | SB8 (5-7')<br>3/4/2014<br>L1404475-10 |      | TB<br>3/2/2014<br>L1404475-09 |      |
|--------------------------------------------------|----------|---------------------------------------|------|-----------------------------------------|------|----------------------------------------|------|----------------------------------------|------|-----------------------------------------|------|---------------------------------------|------|---------------------------------------|------|---------------------------------------|------|-------------------------------|------|
| Volatile Organic Compounds: 8260C<br>Unit: mg/kg | NY-UNRES | Result                                | Qual | Result                                  | Qual | Result                                 | Qual | Result                                 | Qual | Result                                  | Qual | Result                                | Qual | Result                                | Qual | Result                                | Qual | Result                        | Qual |
| Methylene chloride                               | 0.05     | 0.0023                                | U    | 0.0022                                  | U    | 0.0027                                 | U    | 0.0022                                 | U    | 0.89                                    | U    | 0.0021                                | U    | 0.0023                                | U    | 0.0023                                | U    | 0.0007                        | U    |
| 1,1-Dichloroethane                               | 0.27     | 0.0002                                | U    | 0.0002                                  | U    | 0.00024                                | U    | 0.0002                                 | U    | 0.079                                   | U    | 0.00018                               | U    | 0.00021                               | U    | 0.0002                                | U    | 0.0007                        | U    |
| Chloroform                                       | 0.37     | 0.00042                               | U    | 0.00041                                 | U    | 0.0005                                 | U    | 0.00042                                | U    | 0.16                                    | U    | 0.00038                               | U    | 0.00043                               | U    | 0.00042                               | U    | 0.0007                        | U    |
| Carbon tetrachloride                             | 0.76     | 0.00024                               | U    | 0.00023                                 | U    | 0.00028                                | U    | 0.00024                                | U    | 0.094                                   | U    | 0.00022                               | U    | 0.00024                               | U    | 0.00024                               | U    | 0.00013                       | U    |
| 1,2-Dichloropropane                              | --       | 0.00026                               | U    | 0.00025                                 | U    | 0.00031                                | U    | 0.00026                                | U    | 0.1                                     | U    | 0.00024                               | U    | 0.00027                               | U    | 0.00026                               | U    | 0.00013                       | U    |
| Dibromochloromethane                             | --       | 0.00035                               | U    | 0.00034                                 | U    | 0.00041                                | U    | 0.00034                                | U    | 0.14                                    | U    | 0.00032                               | U    | 0.00036                               | U    | 0.00035                               | U    | 0.00015                       | U    |
| 1,1,2-Trichloroethane                            | --       | 0.00035                               | U    | 0.00034                                 | U    | 0.00041                                | U    | 0.00034                                | U    | 0.14                                    | U    | 0.00032                               | U    | 0.00035                               | U    | 0.00034                               | U    | 0.0005                        | U    |
| Tetrachloroethene                                | 1.3      | 0.00047                               | J    | 0.00016                                 | U    | 0.00044                                | J    | 0.00016                                | U    | 0.062                                   | U    | 0.00047                               | J    | 0.00016                               | U    | 0.00016                               | U    | 0.00018                       | U    |
| Chlorobenzene                                    | 1.1      | 0.0004                                | U    | 0.00038                                 | U    | 0.00047                                | U    | 0.00039                                | U    | 0.15                                    | U    | 0.00036                               | U    | 0.0004                                | U    | 0.00039                               | U    | 0.0007                        | U    |
| Trichlorofluoromethane                           | --       | 0.00014                               | U    | 0.00013                                 | U    | 0.00016                                | U    | 0.00014                                | U    | 0.054                                   | U    | 0.00012                               | U    | 0.00014                               | U    | 0.00014                               | U    | 0.0007                        | U    |
| 1,2-Dichloroethane                               | 0.02     | 0.00017                               | U    | 0.00016                                 | U    | 0.0002                                 | U    | 0.00016                                | U    | 0.065                                   | U    | 0.00015                               | U    | 0.00017                               | U    | 0.00016                               | U    | 0.00013                       | U    |
| 1,1,1-Trichloroethane                            | 0.68     | 0.00013                               | U    | 0.00012                                 | U    | 0.00015                                | U    | 0.00012                                | U    | 0.049                                   | U    | 0.00011                               | U    | 0.00013                               | U    | 0.00012                               | U    | 0.0007                        | U    |
| Bromodichloromethane                             | --       | 0.00026                               | U    | 0.00025                                 | U    | 0.00031                                | U    | 0.00026                                | U    | 0.1                                     | U    | 0.00024                               | U    | 0.00027                               | U    | 0.00026                               | U    | 0.00019                       | U    |
| trans-1,3-Dichloropropene                        | --       | 0.00014                               | U    | 0.00013                                 | U    | 0.00016                                | U    | 0.00014                                | U    | 0.054                                   | U    | 0.00012                               | U    | 0.00014                               | U    | 0.00014                               | U    | 0.00016                       | U    |
| cis-1,3-Dichloropropene                          | --       | 0.00014                               | U    | 0.00014                                 | U    | 0.00017                                | U    | 0.00014                                | U    | 0.056                                   | U    | 0.00013                               | U    | 0.00015                               | U    | 0.00014                               | U    | 0.00014                       | U    |
| 1,1-Dichloropropene                              | --       | 0.00052                               | U    | 0.0005                                  | U    | 0.00061                                | U    | 0.00051                                | U    | 0.2                                     | U    | 0.00047                               | U    | 0.00053                               | U    | 0.00052                               | U    | 0.0007                        | U    |
| Bromoform                                        | --       | 0.00047                               | U    | 0.00046                                 | U    | 0.00056                                | U    | 0.00046                                | U    | 0.18                                    | U    | 0.00043                               | U    | 0.00048                               | U    | 0.00047                               | U    | 0.00065                       | U    |
| 1,1,2,2-Tetrachloroethane                        | --       | 0.00019                               | U    | 0.00019                                 | U    | 0.00023                                | U    | 0.00019                                | U    | 0.076                                   | U    | 0.00018                               | U    | 0.0002                                | U    | 0.00019                               | U    | 0.00014                       | U    |
| Benzene                                          | 0.06     | 0.00013                               | U    | 0.00013                                 | U    | 0.00016                                | U    | 0.00013                                | U    | 1.2                                     |      | 0.00012                               | U    | 0.00014                               | U    | 0.00013                               | U    | 0.00016                       | U    |
| Toluene                                          | 0.7      | 0.00013                               | U    | 0.00012                                 | U    | 0.00015                                | U    | 0.00012                                | U    | 1.4                                     |      | 0.00012                               | U    | 0.00088                               | J    | 0.00013                               | U    | 0.0007                        | U    |
| Ethylbenzene                                     | 1        | 0.00017                               | U    | 0.00016                                 | U    | 0.0002                                 | U    | 0.00016                                | U    | 0.28                                    | J    | 0.00015                               | U    | 0.0013                                |      | 0.00017                               | U    | 0.0007                        | U    |
| Chloromethane                                    | --       | 0.0009                                | U    | 0.00087                                 | U    | 0.001                                  | U    | 0.00088                                | U    | 0.35                                    | U    | 0.00081                               | U    | 0.00091                               | U    | 0.00089                               | U    | 0.0007                        | U    |
| Bromomethane                                     | --       | 0.00039                               | U    | 0.00037                                 | U    | 0.00045                                | U    | 0.00038                                | U    | 0.15                                    | U    | 0.00035                               | U    | 0.00039                               | U    | 0.00038                               | U    | 0.0007                        | U    |
| Vinyl chloride                                   | 0.02     | 0.00016                               | U    | 0.00016                                 | U    | 0.00019                                | U    | 0.00016                                | U    | 0.063                                   | U    | 0.00015                               | U    | 0.00016                               | U    | 0.00016                               | U    | 0.00033                       | U    |
| Chloroethane                                     | --       | 0.00036                               | U    | 0.00035                                 | U    | 0.00042                                | U    | 0.00035                                | U    | 0.14                                    | U    | 0.00033                               | U    | 0.00037                               | U    | 0.00036                               | U    | 0.0007                        | U    |
| 1,1-Dichloroethene                               | 0.33     | 0.00024                               | U    | 0.00023                                 | U    | 0.00028                                | U    | 0.00023                                | U    | 0.092                                   | U    | 0.00021                               | U    | 0.00024                               | U    | 0.00023                               | U    | 0.00014                       | U    |
| trans-1,2-Dichloroethene                         | 0.19     | 0.00024                               | U    | 0.00023                                 | U    | 0.00028                                | U    | 0.00024                                | U    | 0.094                                   | U    | 0.00022                               | U    | 0.00025                               | U    | 0.00024                               | U    | 0.0007                        | U    |
| Trichloroethene                                  | 0.47     | 0.00017                               | U    | 0.00017                                 | U    | 0.0002                                 | U    | 0.00017                                | U    | 0.068                                   | U    | 0.00016                               | U    | 0.00018                               | U    | 0.00017                               | U    | 0.00017                       | U    |
| 1,2-Dichlorobenzene                              | 1.1      | 0.00021                               | U    | 0.0002                                  | U    | 0.00025                                | U    | 0.0002                                 | U    | 0.081                                   | U    | 0.00019                               | U    | 0.00021                               | U    | 0.00021                               | U    | 0.0007                        | U    |
| 1,3-Dichlorobenzene                              | 2.4      | 0.00021                               | U    | 0.0002                                  | U    | 0.00025                                | U    | 0.0002                                 | U    | 0.081                                   | U    | 0.00019                               | U    | 0.00021                               | U    | 0.00021                               | U    | 0.0007                        | U    |
| 1,4-Dichlorobenzene                              | 1.8      | 0.00028                               | U    | 0.00027                                 | U    | 0.00032                                | U    | 0.00027                                | U    | 0.11                                    | U    | 0.00025                               | U    | 0.00028                               | U    | 0.00027                               | U    | 0.0007                        | U    |
| Methyl tert butyl ether                          | 0.93     | 0.00012                               | U    | 0.00012                                 | U    | 0.00014                                | U    | 0.00012                                | U    | 0.046                                   | U    | 0.00011                               | U    | 0.00012                               | U    | 0.00012                               | U    | 0.0007                        | U    |
| p/m-Xylene                                       | --       | 0.00037                               | U    | 0.00036                                 | U    | 0.00043                                | U    | 0.00036                                | U    | 2.1                                     |      | 0.00033                               | U    | 0.001                                 | J    | 0.00037                               | U    | 0.0007                        | U    |
| o-Xylene                                         | --       | 0.00031                               | U    | 0.0003                                  | U    | 0.00036                                | U    | 0.0003                                 | U    | 0.74                                    | J    | 0.00028                               | U    | 0.00062                               | J    | 0.00031                               | U    | 0.0007                        | U    |
| Xylenes, total                                   | 0.26     | 0.00068                               | U    | 0.00066                                 | U    | 0.00079                                | U    | 0.00066                                | U    | 2.84                                    | J    | 0.00061                               | U    | 0.00162                               | J    | 0.00068                               | U    | 0.0014                        | U    |
| cis-1,2-Dichloroethene                           | 0.25     | 0.00017                               | U    | 0.00016                                 | U    | 0.0002                                 | U    | 0.00017                                | U    | 0.066                                   | U    | 0.00015                               | U    | 0.00017                               | U    | 0.00017                               | U    | 0.0007                        | U    |
| Dibromomethane                                   | --       | 0.00019                               | U    | 0.00018                                 | U    | 0.00022                                | U    | 0.00018                                | U    | 0.073                                   | U    | 0.00017                               | U    | 0.00019                               | U    | 0.00018                               | U    | 0.001                         | U    |
| Styrene                                          | --       | 0.00035                               | U    | 0.00034                                 | U    | 0.00042                                | U    | 0.00035                                | U    | 0.14                                    | U    | 0.00032                               | U    | 0.00036                               | U    | 0.00035                               | U    | 0.0007                        | U    |
| Dichlorodifluoromethane                          | --       | 0.00025                               | U    | 0.00024                                 | U    | 0.00029                                | U    | 0.00024                                | U    | 0.097                                   | U    | 0.00023                               | U    | 0.00025                               | U    | 0.00025                               | U    | 0.0015                        | U    |
| Acetone                                          | 0.05     | 0.0035                                | U    | 0.0034                                  | U    | 0.013                                  |      | 0.0035                                 | U    | 1.4                                     | U    | 0.0032                                | U    | 0.074                                 |      | 0.0035                                | U    | 0.0007                        | U    |
| Carbon disulfide                                 | --       | 0.0023                                | U    | 0.0022                                  | U    | 0.0027                                 | U    | 0.0022                                 | U    | 0.89                                    | U    | 0.0021                                | U    | 0.0023                                | U    | 0.0023                                | U    | 0.001                         | U    |
| 2-Butanone                                       | 0.12     | 0.0004                                | U    | 0.00039                                 | U    | 0.00072                                | J    | 0.0004                                 | U    | 0.16                                    | U    | 0.00037                               | U    | 0.00085                               | J    | 0.0004                                | U    | 0.001                         | U    |
| Vinyl acetate                                    | --       | 0.00055                               | U    | 0.00053                                 | U    | 0.00064                                | U    | 0.00054                                | U    | 0.21                                    | U    | 0.0005                                | U    | 0.00056                               | U    | 0.00054                               | U    | 0.001                         | U    |
| 4-Methyl-2-pentanone                             | --       | 0.00028                               | U    | 0.00027                                 | U    | 0.00033                                | U    | 0.00027                                | U    | 0.11                                    | U    | 0.00025                               | U    | 0.00028                               | U    | 0.00028                               | U    | 0.001                         | U    |
| 1,2,3-Trichloropropane                           | --       | 0.00026                               | U    | 0.00025                                 | U    | 0.0003                                 | U    | 0.00025                                | U    | 0.1                                     | U    | 0.00023                               | U    | 0.00026                               | U    | 0.00026                               | U    | 0.0007                        | U    |
| 2-Hexanone                                       | --       | 0.00022                               | U    | 0.00021                                 | U    | 0.00025                                | U    | 0.00021                                | U    | 0.084                                   | U    | 0.0002                                | U    | 0.00022                               | U    | 0.00021                               | U    | 0.001                         | U    |
| Bromochloromethane                               | --       | 0.00022                               | U    | 0.00022                                 | U    | 0.00026                                | U    | 0.00022                                | U    | 0.088                                   | U    | 0.0002                                | U    | 0.00023                               | U    | 0.00022                               | U    | 0.0007                        | U    |
| 2,2-Dichloropropane                              | --       | 0.00026                               | U    | 0.00025                                 | U    | 0.0003                                 | U    | 0.00025                                | U    | 0.1                                     | U    | 0.00023                               | U    | 0.00026                               | U    | 0.00026                               | U    | 0.0007                        | U    |
| 1,2-Dibromoethane                                | --       | 0.0002                                | U    | 0.0002                                  | U    | 0.00024                                | U    | 0.0002                                 | U    | 0.079                                   | U    | 0.00018                               | U    | 0.00021                               | U    | 0.0002                                | U    | 0.00065                       | U    |
| 1,3-Dichloropropane                              | --       | 0.0002                                | U    | 0.00019                                 | U    | 0.00023                                | U    | 0.00019                                | U    | 0.077                                   | U    | 0.00018                               | U    | 0.0002                                | U    | 0.0002                                | U    | 0.0007                        | U    |
| 1,1,1,2-Tetrachloroethane                        | --       | 0.00036                               | U    | 0.00035                                 | U    | 0.00043                                | U    | 0.00036                                | U    | 0.14                                    | U    | 0.00033                               | U    | 0.00037                               | U    | 0.00036                               | U    | 0.0007                        | U    |
| Bromobenzene                                     | --       | 0.00024                               | U    | 0.00023                                 | U    | 0.00028                                | U    | 0.00023                                | U    | 0.093                                   | U    | 0.00022                               | U    | 0.00024                               | U    | 0.00024                               | U    | 0.0007                        | U    |
| n-Butylbenzene                                   | 12       | 0.00022                               | U    | 0.00022                                 | U    | 0.00026                                | U    | 0.00022                                | U    | 0.088                                   | U    | 0.0002                                | U    | 0.00058                               | J    | 0.00022                               | U    | 0.0007                        | U    |
| sec-Butylbenzene                                 | 11       | 0.00024                               | U    | 0.00023                                 | U    | 0.00028                                | U    | 0.00023                                | U    | 0.092                                   | U    | 0.00021                               | U    | 0.00024                               | U    | 0.00023                               | U    | 0.0007                        | U    |
| tert-Butylbenzene                                | 5.9      | 0.00064                               | U    | 0.00062                                 | U    | 0.00075                                | U    | 0.00063                                | U    | 0.25                                    | U    | 0.00058                               | U    | 0.00065                               | U    | 0.00064                               | U    | 0.0007                        | U    |
| o-Chlorotoluene                                  | --       | 0.00018                               | U    | 0.00018                                 | U    | 0.00022                                | U    | 0.00018                                | U    | 0.071                                   | U    | 0.00016                               | U    | 0.00019                               | U    | 0.00018                               | U    | 0.0007                        | U    |
| p-Chlorotoluene                                  | --       | 0.00018                               | U    | 0.00017                                 | U    | 0.00021                                | U    | 0.00017                                | U    | 0.068                                   | U    | 0.00016                               | U    | 0.00018                               | U    | 0.00017                               | U    | 0.0007                        | U    |
| 1,2-Dibromo-3-chloropropane                      | --       | 0.0009                                | U    | 0.00088                                 | U    | 0.0011                                 | U    | 0.00089                                | U    | 0.35                                    | U    | 0.00082                               | U    | 0.00092                               | U    | 0.0009                                | U    | 0.0007                        | U    |
| Hexachlorobutadiene                              | --       | 0.00048                               | U    | 0.00047                                 | U    | 0.00057                                | U    | 0.00047                                | U    | 0.19                                    | U    | 0.00044                               | U    | 0.00049                               | U    | 0.00048                               | U    | 0.0007                        | U    |
| Isopropylbenzene                                 | --       | 0.00019                               | U    | 0.00018                                 | U    | 0.00022                                | U    | 0.00019                                | U    | 0.074                                   | U    | 0.00017                               | U    | 0.0009                                | J    | 0.00019                               | U    | 0.0007                        | U    |
| p-Isopropyltoluene                               | --       | 0.00022                               | U    | 0.00021                                 | U    | 0.00026                                | U    | 0.00021                                | U    | 0.085                                   | U    | 0.0002                                | U    | 0.00022                               | U    | 0.00022                               | U    | 0.0007                        | U    |
| Naphthalene                                      | 12       | 0.0059                                |      | 0.00085                                 | U    | 0.001                                  | U    | 0.00086                                | J    | 54                                      |      | 0.0008                                | U    | 0.012                                 |      | 0.00087                               | U    | 0.0007                        | U    |
| Acrylonitrile                                    | --       | 0.00027                               | U    | 0.00026                                 | U    | 0.00032                                | U    | 0.00027                                | U    | 0.1                                     | U    | 0.00025                               | U    | 0.00028                               | U    | 0.00027                               | U    | 0.0015                        | U    |
| n-Propylbenzene                                  | 3.9      | 0.00014                               | U    | 0.00014                                 | U    | 0.00017                                | U    | 0.00014                                | U    | 0.056                                   | U    | 0.00013                               | U    | 0.00088                               | J    | 0.00014                               | U    | 0.0007                        | U    |
| 1,2,3-Trichlorobenzene                           | --       | 0.00019                               | U    | 0.00019                                 | U    | 0.00023                                | U    | 0.00019                                | U    | 0.075                                   | U    | 0.00017                               | U    | 0.0002                                | U    | 0.00019                               | U    | 0.0007                        | U    |
| 1,2,4-Trichlorobenzene                           |          |                                       |      |                                         |      |                                        |      |                                        |      |                                         |      |                                       |      |                                       |      |                                       |      |                               |      |

Table 3  
Semivolatile Organic Compounds (SVOCs) in Soil  
470 Kent Avenue - Brooklyn, NY

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID |          | SB1 (0-5)<br>3/2/2014<br>L1404475-05 |      | SB2 (0.5-3)<br>3/4/2014<br>L1404493-01 |      | SB3 (8-10)<br>3/2/2014<br>L1404475-01 |      | SB4 (8-10)<br>3/4/2014<br>L1404493-03 |      | SB5 (8-10)<br>3/2/2014<br>L1404475-03 |      | SB6 (0-5)<br>3/2/2014<br>L1404475-06 |      | SB7 (2-5)<br>3/2/2014<br>L1404475-08 |      | SB8 (5-7)<br>3/4/2014<br>L1404475-10 |      |
|--------------------------------------------|----------|--------------------------------------|------|----------------------------------------|------|---------------------------------------|------|---------------------------------------|------|---------------------------------------|------|--------------------------------------|------|--------------------------------------|------|--------------------------------------|------|
| Semivolatile Organics: 8270<br>Unit: mg/kg | NY-UNRES | Result                               | Qual | Result                                 | Qual | Result                                | Qual | Result                                | Qual | Result                                | Qual | Result                               | Qual | Result                               | Qual | Result                               | Qual |
| Acenaphthene                               | 20       | 0.25                                 |      | 0.072                                  | J    | 0.046                                 |      | 0.045                                 | J    | 0.28                                  | J    | 0.18                                 | U    | 1.5                                  |      | 0.038                                | U    |
| 1,2,4-Trichlorobenzene                     | --       | 0.061                                | U    | 0.06                                   | U    | 0.073                                 |      | 0.06                                  | U    | 0.34                                  | U    | 0.28                                 | U    | 0.25                                 | U    | 0.061                                | U    |
| Hexachlorobenzene                          | 0.33     | 0.035                                | U    | 0.034                                  | U    | 0.041                                 |      | 0.034                                 | U    | 0.19                                  | U    | 0.16                                 | U    | 0.14                                 | U    | 0.035                                | U    |
| Bis(2-chloroethyl)ether                    | --       | 0.052                                | U    | 0.051                                  | U    | 0.062                                 |      | 0.052                                 | U    | 0.29                                  | U    | 0.24                                 | U    | 0.22                                 | U    | 0.052                                | U    |
| 2-Chloronaphthalene                        | --       | 0.06                                 | U    | 0.06                                   | U    | 0.072                                 |      | 0.06                                  | U    | 0.34                                  | U    | 0.28                                 | U    | 0.25                                 | U    | 0.061                                | U    |
| 1,2-Dichlorobenzene                        | 1.1      | 0.061                                | U    | 0.06                                   | U    | 0.073                                 |      | 0.061                                 | U    | 0.34                                  | U    | 0.28                                 | U    | 0.25                                 | U    | 0.061                                | U    |
| 1,3-Dichlorobenzene                        | 2.4      | 0.058                                | U    | 0.058                                  | U    | 0.07                                  |      | 0.058                                 | U    | 0.33                                  | U    | 0.27                                 | U    | 0.24                                 | U    | 0.059                                | U    |
| 1,4-Dichlorobenzene                        | 1.8      | 0.056                                | U    | 0.056                                  | U    | 0.068                                 |      | 0.056                                 | U    | 0.31                                  | U    | 0.26                                 | U    | 0.23                                 | U    | 0.057                                | U    |
| 3,3'-Dichlorobenzidine                     | --       | 0.049                                | U    | 0.049                                  | U    | 0.059                                 |      | 0.049                                 | U    | 0.28                                  | U    | 0.23                                 | U    | 0.2                                  | U    | 0.05                                 | U    |
| 2,4-Dinitrotoluene                         | --       | 0.04                                 | U    | 0.04                                   | U    | 0.048                                 |      | 0.04                                  | U    | 0.22                                  | U    | 0.18                                 | U    | 0.17                                 | U    | 0.04                                 | U    |
| 2,6-Dinitrotoluene                         | --       | 0.048                                | U    | 0.047                                  | U    | 0.057                                 |      | 0.047                                 | U    | 0.26                                  | U    | 0.22                                 | U    | 0.2                                  | U    | 0.048                                | U    |
| Fluoranthene                               | 100      | 3.8                                  |      | 1                                      |      | 0.058                                 | J    | 1.4                                   |      | 5.9                                   |      | 0.22                                 | J    | 19                                   |      | 0.034                                | U    |
| 4-Chlorophenyl phenyl ether                | --       | 0.056                                | U    | 0.056                                  | U    | 0.068                                 | U    | 0.056                                 | U    | 0.32                                  | U    | 0.26                                 | U    | 0.23                                 | U    | 0.057                                | U    |
| 4-Bromophenyl phenyl ether                 | --       | 0.043                                | U    | 0.042                                  | U    | 0.051                                 | U    | 0.042                                 | U    | 0.24                                  | U    | 0.2                                  | U    | 0.18                                 | U    | 0.043                                | U    |
| Bis(2-chloroisopropyl)ether                | --       | 0.065                                | U    | 0.064                                  | U    | 0.078                                 | U    | 0.065                                 | U    | 0.36                                  | U    | 0.3                                  | U    | 0.27                                 | U    | 0.066                                | U    |
| Bis(2-chloroethoxy)methane                 | --       | 0.056                                | U    | 0.056                                  | U    | 0.067                                 | U    | 0.056                                 | U    | 0.31                                  | U    | 0.26                                 | U    | 0.23                                 | U    | 0.056                                | U    |
| Hexachlorobutadiene                        | --       | 0.052                                | U    | 0.052                                  | U    | 0.063                                 | U    | 0.052                                 | U    | 0.29                                  | U    | 0.24                                 | U    | 0.22                                 | U    | 0.052                                | U    |
| Hexachlorocyclopentadiene                  | --       | 0.12                                 | U    | 0.12                                   | U    | 0.14                                  | U    | 0.12                                  | U    | 0.66                                  | U    | 0.55                                 | U    | 0.5                                  | U    | 0.12                                 | U    |
| Hexachloroethane                           | --       | 0.034                                | U    | 0.033                                  | U    | 0.04                                  | U    | 0.034                                 | U    | 0.19                                  | U    | 0.15                                 | U    | 0.14                                 | U    | 0.034                                | U    |
| Isophorone                                 | --       | 0.049                                | U    | 0.049                                  | U    | 0.059                                 | U    | 0.049                                 | U    | 0.28                                  | U    | 0.23                                 | U    | 0.2                                  | U    | 0.05                                 | U    |
| Naphthalene                                | 12       | 0.33                                 |      | 0.061                                  | U    | 0.074                                 | J    | 0.061                                 | U    | 1.2                                   |      | 0.28                                 | U    | 0.82                                 |      | 0.062                                | U    |
| Nitrobenzene                               | --       | 0.044                                | U    | 0.044                                  | U    | 0.053                                 | U    | 0.044                                 | U    | 0.25                                  | U    | 0.2                                  | U    | 0.7                                  | U    | 0.044                                | U    |
| NitrosoDiPhenylAmine(NDPA)/DPA             | --       | 0.039                                | U    | 0.038                                  | U    | 0.047                                 | U    | 0.039                                 | U    | 0.22                                  | U    | 0.18                                 | U    | 0.62                                 | U    | 0.039                                | U    |
| n-Nitrosodi-n-propylamine                  | --       | 0.055                                | U    | 0.055                                  | U    | 0.066                                 | U    | 0.055                                 | U    | 0.31                                  | U    | 0.25                                 | U    | 0.77                                 | U    | 0.056                                | U    |
| Bis(2-Ethylhexyl)phthalate                 | --       | 0.049                                | U    | 0.048                                  | U    | 0.058                                 | U    | 0.048                                 | U    | 0.27                                  | U    | 0.22                                 | U    | 0.77                                 | U    | 0.049                                | U    |
| Butyl benzyl phthalate                     | --       | 0.036                                | U    | 0.036                                  | U    | 0.043                                 | U    | 0.036                                 | U    | 0.2                                   | U    | 0.17                                 | U    | 0.77                                 | U    | 0.036                                | U    |
| Di-n-butylphthalate                        | --       | 0.036                                | U    | 0.035                                  | U    | 0.043                                 | U    | 0.036                                 | U    | 0.2                                   | U    | 0.16                                 | U    | 0.77                                 | U    | 0.036                                | U    |
| Di-n-octylphthalate                        | --       | 0.046                                | U    | 0.045                                  | U    | 0.055                                 | U    | 0.045                                 | U    | 0.25                                  | U    | 0.21                                 | U    | 0.77                                 | U    | 0.046                                | U    |
| Diethyl phthalate                          | --       | 0.039                                | U    | 0.039                                  | U    | 0.047                                 | U    | 0.039                                 | U    | 0.22                                  | U    | 0.18                                 | U    | 0.77                                 | U    | 0.039                                | U    |
| Dimethyl phthalate                         | --       | 0.047                                | U    | 0.047                                  | U    | 0.056                                 | U    | 0.047                                 | U    | 0.26                                  | U    | 0.22                                 | U    | 0.77                                 | U    | 0.047                                | U    |
| Benzo(a)anthracene                         | 1        | 1.7                                  |      | 0.49                                   |      | 0.044                                 | U    | 0.52                                  |      | 5                                     |      | 0.17                                 | U    | 8.7                                  |      | 0.036                                | U    |
| Benzo(a)pyrene                             | 1        | 1.4                                  |      | 0.45                                   |      | 0.054                                 | U    | 0.47                                  |      | 8.7                                   |      | 0.21                                 | U    | 7.7                                  |      | 0.046                                | U    |
| Benzo(b)fluoranthene                       | 1        | 1.9                                  |      | 0.57                                   |      | 0.045                                 | U    | 0.96                                  |      | 9.8                                   |      | 0.17                                 | U    | 9.6                                  |      | 0.038                                | U    |
| Benzo(k)fluoranthene                       | 0.8      | 0.71                                 |      | 0.25                                   |      | 0.042                                 | U    | 0.35                                  |      | 3.4                                   |      | 0.16                                 | U    | 4                                    |      | 0.036                                | U    |
| Chrysene                                   | 1        | 1.7                                  |      | 0.47                                   |      | 0.044                                 | U    | 0.9                                   |      | 5                                     |      | 0.17                                 | U    | 9.6                                  |      | 0.037                                | U    |
| Acenaphthylene                             | 100      | 0.092                                | J    | 0.034                                  | U    | 0.042                                 | U    | 0.034                                 | J    | 0.19                                  | U    | 0.16                                 | U    | 0.45                                 | J    | 0.035                                | U    |
| Anthracene                                 | 100      | 0.7                                  |      | 0.15                                   |      | 0.037                                 | U    | 0.13                                  |      | 1.1                                   |      | 0.14                                 | U    | 2.5                                  |      | 0.031                                | U    |
| Benzo(ghi)perylene                         | 100      | 0.89                                 |      | 0.29                                   |      | 0.046                                 | U    | 0.59                                  |      | 7                                     |      | 0.18                                 | U    | 4.6                                  |      | 0.039                                | U    |
| Fluorene                                   | 30       | 0.24                                 |      | 0.053                                  | J    | 0.064                                 | U    | 0.056                                 | J    | 0.3                                   | U    | 0.24                                 | U    | 1.1                                  |      | 0.053                                | U    |
| Phenanthrene                               | 100      | 3.5                                  |      | 0.62                                   |      | 0.072                                 | J    | 0.9                                   |      | 3.7                                   |      | 0.17                                 | U    | 11                                   |      | 0.036                                | U    |
| Dibenzo(a,h)anthracene                     | 0.33     | 0.24                                 |      | 0.073                                  | J    | 0.043                                 |      | 0.11                                  |      | 1.7                                   |      | 0.16                                 | U    | 1.2                                  |      | 0.036                                | U    |
| Indeno(1,2,3-cd)Pyrene                     | 0.5      | 0.95                                 |      | 0.31                                   |      | 0.049                                 |      | 0.55                                  |      | 7.7                                   |      | 0.19                                 | U    | 4.9                                  |      | 0.041                                | U    |
| Pyrene                                     | 100      | 3                                    |      | 0.79                                   |      | 0.043                                 | J    | 1.3                                   |      | 5                                     |      | 0.22                                 | J    | 17                                   |      | 0.036                                | U    |
| Biphenyl                                   | --       | 0.42                                 | U    | 0.06                                   | U    | 0.073                                 | U    | 0.061                                 | U    | 0.34                                  | U    | 0.28                                 | U    | 0.26                                 | J    | 0.062                                | U    |
| 4-Chloroaniline                            | --       | 0.18                                 | U    | 0.048                                  | U    | 0.059                                 | U    | 0.049                                 | U    | 0.27                                  | U    | 0.22                                 | U    | 0.2                                  | U    | 0.049                                | U    |
| 2-Nitroaniline                             | --       | 0.18                                 | U    | 0.052                                  | U    | 0.063                                 | U    | 0.052                                 | U    | 0.29                                  | U    | 0.24                                 | U    | 0.22                                 | U    | 0.052                                | U    |
| 3-Nitroaniline                             | --       | 0.18                                 | U    | 0.051                                  | U    | 0.061                                 | U    | 0.051                                 | U    | 0.28                                  | U    | 0.23                                 | U    | 0.21                                 | U    | 0.051                                | U    |
| 4-Nitroaniline                             | --       | 0.18                                 | U    | 0.05                                   | U    | 0.06                                  | U    | 0.05                                  | U    | 0.28                                  | U    | 0.23                                 | U    | 0.21                                 | U    | 0.05                                 | U    |
| Dibenzofuran                               | 7        | 0.22                                 |      | 0.061                                  | U    | 0.074                                 | U    | 0.062                                 | U    | 0.34                                  | U    | 0.28                                 | U    | 1.3                                  |      | 0.062                                | U    |
| 2-Methylnaphthalene                        | --       | 0.13                                 | J    | 0.059                                  | U    | 0.071                                 | U    | 0.059                                 | U    | 0.36                                  | J    | 0.27                                 | U    | 0.42                                 | J    | 0.06                                 | U    |
| 1,2,4,5-Tetrachlorobenzene                 | --       | 0.058                                | U    | 0.057                                  | U    | 0.069                                 | U    | 0.057                                 | U    | 0.32                                  | U    | 0.26                                 | U    | 0.24                                 | U    | 0.058                                | U    |
| Acetophenone                               | --       | 0.058                                | U    | 0.057                                  | U    | 0.069                                 | U    | 0.057                                 | U    | 0.32                                  | U    | 0.26                                 | U    | 0.24                                 | U    | 0.058                                | U    |
| 2,4,6-Trichlorophenol                      | --       | 0.035                                | U    | 0.035                                  | U    | 0.042                                 | U    | 0.035                                 | U    | 0.2                                   | U    | 0.16                                 | U    | 0.14                                 | U    | 0.035                                | U    |
| p-Chloro-M-Cresol                          | --       | 0.054                                | U    | 0.053                                  | U    | 0.064                                 | U    | 0.054                                 | U    | 0.3                                   | U    | 0.25                                 | U    | 0.22                                 | U    | 0.054                                | U    |
| 2-Chlorophenol                             | --       | 0.056                                | U    | 0.055                                  | U    | 0.067                                 | U    | 0.056                                 | U    | 0.31                                  | U    | 0.26                                 | U    | 0.23                                 | U    | 0.056                                | U    |
| 2,4-Dichlorophenol                         | --       | 0.06                                 | U    | 0.059                                  | U    | 0.072                                 | U    | 0.06                                  | U    | 0.34                                  | U    | 0.28                                 | U    | 0.25                                 | U    | 0.06                                 | U    |
| 2,4-Dimethylphenol                         | --       | 0.055                                | U    | 0.055                                  | U    | 0.066                                 | U    | 0.055                                 | U    | 0.31                                  | U    | 0.25                                 | U    | 0.23                                 | U    | 0.056                                | U    |
| 2-Nitrophenol                              | --       | 0.058                                | U    | 0.057                                  | U    | 0.069                                 | U    | 0.058                                 | U    | 0.32                                  | U    | 0.26                                 | U    | 0.24                                 | U    | 0.058                                | U    |
| 4-Nitrophenol                              | --       | 0.06                                 | U    | 0.059                                  | U    | 0.072                                 | U    | 0.06                                  | U    | 0.34                                  | U    | 0.28                                 | U    | 0.25                                 | U    | 0.06                                 | U    |
| 2,4-Dinitrophenol                          | --       | 0.25                                 | U    | 0.25                                   | U    | 0.3                                   | U    | 0.25                                  | U    | 1.4                                   | U    | 1.2                                  | U    | 1                                    | U    | 0.26                                 | U    |
| 4,6-Dinitro-o-cresol                       | --       | 0.068                                | U    | 0.067                                  | U    | 0.081                                 | U    | 0.068                                 | U    | 0.38                                  | U    | 0.31                                 | U    | 0.28                                 | U    | 0.068                                | U    |
| Pentachlorophenol                          | 0.8      | 0.04                                 | U    | 0.039                                  | U    | 0.048                                 | U    | 0.04                                  | U    | 0.22                                  | U    | 0.18                                 | U    | 0.16                                 | U    | 0.04                                 | U    |
| Phenol                                     | 0.33     | 0.055                                | U    | 0.054                                  | U    | 0.066                                 | U    | 0.055                                 | U    | 0.31                                  | U    | 0.25                                 | U    | 0.23                                 | U    | 0.055                                | U    |
| 2-Methylphenol                             | 0.33     | 0.06                                 | U    | 0.059                                  | U    | 0.072                                 | U    | 0.06                                  | U    | 0.33                                  | U    | 0.27                                 | U    | 0.25                                 | U    | 0.06                                 | U    |
| 3-Methylphenol/4-Methylphenol              | 0.33     | 0.061                                | U    | 0.06                                   | U    | 0.073                                 | U    | 0.061                                 | U    | 0.34                                  | U    | 0.28                                 | U    | 0.25                                 | U    | 0.061                                | U    |
| 2,4,5-Trichlorophenol                      | --       | 0.06                                 | U    | 0.059                                  | U    | 0.072                                 | U    | 0.06                                  | U    | 0.34                                  | U    | 0.28                                 | U    | 0.25                                 | U    | 0.06                                 | U    |
| Benzoic Acid                               | --       | 0.19                                 | U    | 0.18                                   | U    | 0.22                                  | U    | 0.19                                  | U    | 1                                     | U    | 0.86                                 | U    | 0.78                                 | U    | 0.19                                 | U    |
| Benzyl Alcohol                             | --       | 0.057                                | U    | 0.056                                  | U    | 0.068                                 | U    | 0.057                                 | U    | 0.32                                  | U    | 0.26                                 | U    | 0.24                                 | U    | 0.057                                | U    |
| Carbazole                                  | --       | 0.32                                 |      | 0.062                                  | J    | 0.048                                 | U    | 0.098                                 | J    | 0.58                                  | J    | 0.18                                 | U    | 1.1                                  |      | 0.04                                 | U    |

NY-UNRES = New York State Part 375 Unrestricted Use SCOs  
Cells highlighted in yellow indicate a concentration above the NY-UNRES SCO value  
Cells highlighted in blue indicate an MDL above the Unrestricted SCO  
SCO = Soil Cleanup Objective  
MDL = Maximum Detection Limit  
RL = Reporting Limit  
Qual = Laboratory Data Qualifier  
For U qualified entries, the MDL is shown  
U = not detected above the MDL  
For J qualified entries, the estimated concentration is shown  
J = estimated value, indicating the detected value is below the RL, but above the MDL  
Results and MDL values are in milligrams per kilogram (mg/kg)  
Soil sample depths shown in feet (ft) within sample location  
-- = No standard

Table 4  
Pesticides and Polychlorinated Biphenyls (PCBs) in Soil  
470 Kent Avenue - Brooklyn, NY

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID             |          | SB1 (0-5')<br>3/2/2014<br>L1404475-05 |      | SB2 (0.5-3')<br>3/4/2014<br>L1404493-01 |      | SB3 (8-10')<br>3/2/2014<br>L1404475-01 |      | SB4 (8-10')<br>3/4/2014<br>L1404493-03 |      | SB5 (8-10')<br>3/2/2014<br>L1404475-03 |      | SB6 (0-5')<br>3/2/2014<br>L1404475-06 |      | SB7 (2-5')<br>3/2/2014<br>L1404475-08 |      | SB8 (5-7')<br>3/4/2014<br>L1404475-10 |      |
|--------------------------------------------------------|----------|---------------------------------------|------|-----------------------------------------|------|----------------------------------------|------|----------------------------------------|------|----------------------------------------|------|---------------------------------------|------|---------------------------------------|------|---------------------------------------|------|
| Pesticides: 8081B<br>Unit: mg/kg                       | NY-UNRES | Result                                | Qual | Result                                  | Qual | Result                                 | Qual | Result                                 | Qual | Result                                 | Qual | Result                                | Qual | Result                                | Qual | Result                                | Qual |
| Delta-BHC                                              | 0.04     | 0.000347                              | U    | 0.00034                                 | U    | 0.000416                               | U    | 0.000339                               | U    | 0.000367                               | U    | 0.000319                              | U    | 0.00706                               | U    | 0.00034                               | U    |
| Lindane                                                | 0.1      | 0.00033                               | U    | 0.000324                                | U    | 0.000396                               | U    | 0.000323                               | U    | 0.000349                               | U    | 0.000303                              | U    | 0.00672                               | U    | 0.000323                              | U    |
| Alpha-BHC                                              | 0.02     | 0.00021                               | U    | 0.000206                                | U    | 0.000251                               | U    | 0.000205                               | U    | 0.000222                               | U    | 0.000192                              | U    | 0.00427                               | U    | 0.000205                              | U    |
| Beta-BHC                                               | 0.036    | 0.000673                              | U    | 0.000659                                | U    | 0.000805                               | U    | 0.000657                               | U    | 0.000711                               | U    | 0.000617                              | U    | 0.0137                                | U    | 0.000658                              | U    |
| Heptachlor                                             | 0.042    | 0.000398                              | U    | 0.00039                                 | U    | 0.000476                               | U    | 0.000388                               | U    | 0.00042                                | U    | 0.000365                              | U    | 0.00808                               | U    | 0.000389                              | U    |
| Aldrin                                                 | 0.005    | 0.000625                              | U    | 0.000612                                | U    | 0.000748                               | U    | 0.00061                                | U    | 0.00066                                | U    | 0.000573                              | U    | 0.0127                                | U    | 0.000611                              | U    |
| Heptachlor epoxide                                     | --       | 0.000998                              | U    | 0.000978                                | U    | 0.00119                                | U    | 0.000974                               | U    | 0.00106                                | U    | 0.000915                              | U    | 0.0203                                | U    | 0.000977                              | U    |
| Endrin                                                 | 0.014    | 0.000303                              | U    | 0.000297                                | U    | 0.000363                               | U    | 0.000296                               | U    | 0.00032                                | U    | 0.000278                              | U    | 0.00616                               | U    | 0.000297                              | U    |
| Endrin ketone                                          | --       | 0.000457                              | U    | 0.000448                                | U    | 0.000547                               | U    | 0.000446                               | U    | 0.000483                               | U    | 0.000419                              | U    | 0.00929                               | U    | 0.000447                              | U    |
| Dieldrin                                               | 0.005    | 0.000554                              | U    | 0.000543                                | U    | 0.000664                               | U    | 0.000541                               | U    | 0.000586                               | U    | 0.000508                              | U    | 0.0113                                | U    | 0.000542                              | U    |
| 4,4'-DDE                                               | 0.0033   | 0.00041                               | U    | 0.000402                                | U    | 0.000491                               | U    | 0.0004                                 | U    | 0.000434                               | U    | 0.000376                              | U    | 0.00834                               | U    | 0.000402                              | U    |
| 4,4'-DDD                                               | 0.0033   | 0.000633                              | U    | 0.00062                                 | U    | 0.000757                               | U    | 0.000618                               | U    | 0.000669                               | U    | 0.00058                               | U    | 0.0129                                | U    | 0.000619                              | U    |
| 4,4'-DDT                                               | 0.0033   | 0.00676                               |      | 0.0014                                  | U    | 0.00171                                | U    | 0.00139                                | U    | 0.0156                                 | P    | 0.00131                               | U    | 0.029                                 | U    | 0.0014                                | U    |
| Endosulfan I                                           | 2.4      | 0.000419                              | U    | 0.00041                                 | U    | 0.000502                               | U    | 0.000409                               | U    | 0.000443                               | U    | 0.000384                              | U    | 0.00852                               | U    | 0.00041                               | U    |
| Endosulfan II                                          | 2.4      | 0.000593                              | U    | 0.000581                                | U    | 0.00071                                | U    | 0.000579                               | U    | 0.000627                               | U    | 0.000544                              | U    | 0.012                                 | U    | 0.00058                               | U    |
| Endosulfan sulfate                                     | 2.4      | 0.000352                              | U    | 0.000345                                | U    | 0.000421                               | U    | 0.000344                               | U    | 0.000372                               | U    | 0.000323                              | U    | 0.00715                               | U    | 0.000344                              | U    |
| Methoxychlor                                           | --       | 0.00103                               | U    | 0.00101                                 | U    | 0.00124                                | U    | 0.00101                                | U    | 0.00109                                | U    | 0.000949                              | U    | 0.021                                 | U    | 0.00101                               | U    |
| Toxaphene                                              | --       | 0.00931                               | U    | 0.00912                                 | U    | 0.0111                                 | U    | 0.00909                                | U    | 0.00985                                | U    | 0.00854                               | U    | 0.189                                 | U    | 0.00912                               | U    |
| cis-Chlordane                                          | 0.094    | 0.000618                              | U    | 0.000605                                | U    | 0.00074                                | U    | 0.000603                               | U    | 0.000654                               | U    | 0.000567                              | U    | 0.0126                                | U    | 0.000605                              | U    |
| trans-Chlordane                                        | --       | 0.000585                              | U    | 0.000574                                | U    | 0.000701                               | U    | 0.000572                               | U    | 0.000619                               | U    | 0.000537                              | U    | 0.0119                                | U    | 0.000573                              | U    |
| Chlordane                                              | --       | 0.00588                               | U    | 0.00576                                 | U    | 0.00703                                | U    | 0.00574                                | U    | 0.00621                                | U    | 0.00539                               | U    | 0.119                                 | U    | 0.00575                               | U    |
|                                                        |          |                                       |      |                                         |      |                                        |      |                                        |      |                                        |      |                                       |      |                                       |      |                                       |      |
| Polychlorinated Biphenyls (PCBs): 8082A<br>Unit: mg/kg | NY-UNRES | Result                                | Qual | Result                                  | Qual | Result                                 | Qual | Result                                 | Qual | Result                                 | Qual | Result                                | Qual | Result                                | Qual | Result                                | Qual |
| Aroclor 1016                                           | 0.1      | 0.00288                               | U    | 0.00286                                 | U    | 0.00349                                | U    | 0.0028                                 | U    | 0.00325                                | U    | 0.00263                               | U    | 0.00298                               | U    | 0.00292                               | U    |
| Aroclor 1221                                           | 0.1      | 0.00336                               | U    | 0.00333                                 | U    | 0.00408                                | U    | 0.00326                                | U    | 0.00379                                | U    | 0.00307                               | U    | 0.00348                               | U    | 0.00341                               | U    |
| Aroclor 1232                                           | 0.1      | 0.00426                               | U    | 0.00424                                 | U    | 0.00518                                | U    | 0.00415                                | U    | 0.00482                                | U    | 0.0039                                | U    | 0.00443                               | U    | 0.00434                               | U    |
| Aroclor 1242                                           | 0.1      | 0.00445                               | U    | 0.00442                                 | U    | 0.00541                                | U    | 0.00433                                | U    | 0.00503                                | U    | 0.00407                               | U    | 0.00462                               | U    | 0.00453                               | U    |
| Aroclor 1248                                           | 0.1      | 0.00307                               | U    | 0.00305                                 | U    | 0.00373                                | U    | 0.00299                                | U    | 0.00347                                | U    | 0.00281                               | U    | 0.00319                               | U    | 0.00312                               | U    |
| Aroclor 1254                                           | 0.1      | 0.00299                               | U    | 0.00297                                 | U    | 0.00363                                | U    | 0.00291                                | U    | 0.00338                                | U    | 0.00895                               | J    | 0.00311                               | U    | 0.00304                               | U    |
| Aroclor 1260                                           | 0.1      | 0.00277                               | U    | 0.00276                                 | U    | 0.00337                                | U    | 0.0258                                 | J    | 0.00313                                | U    | 0.00822                               | J    | 0.00288                               | U    | 0.00282                               | U    |
| Aroclor 1262                                           | 0.1      | 0.0018                                | U    | 0.00179                                 | U    | 0.00219                                | U    | 0.00176                                | U    | 0.00204                                | U    | 0.00165                               | U    | 0.00187                               | U    | 0.00184                               | U    |
| Aroclor 1268                                           | 0.1      | 0.00528                               | U    | 0.00524                                 | U    | 0.00641                                | U    | 0.00513                                | U    | 0.00596                                | U    | 0.00483                               | U    | 0.00548                               | U    | 0.00537                               | U    |

NY-UNRES = New York State Part 375 Unrestricted Use SCOs  
Cells highlighted in yellow indicate a concentration above the NY-UNRES SCO value  
Cells highlighted in blue indicate an MDL above the NY-UNRES SCO  
SCO = Soil Cleanup Objective  
MDL = Maximum Detection Limit  
RL = Reporting Limit  
Qual = Laboratory Data Qualifier  
For U qualified entries, the MDL is shown  
U = not detected at or above the MDL  
For J qualified entries, the estimated concentration is shown  
J = estimated value, indicating the detected value is below the RL, but above the MDL  
For P qualified entries, the concentration is shown  
P = the Relative Percent Difference (RPD) between the results, for the higher-value and lower-value methodologies, exceeds the percentage of the method-specified criteria  
Results and MDL values are in milligrams per kilogram (mg/kg)  
Soil sample depths shown in feet (ft) within sample location  
-- = No standard

Table 5  
Metals in Soil  
470 Kent Avenue - Brooklyn, NY

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID |          | SB1 (0-5')<br>3/2/2014<br>L1404475-05 |      | SB2 (0.5-3')<br>3/4/2014<br>L1404493-01 |      | SB3 (8-10')<br>3/2/2014<br>L1404475-01 |      | SB4 (8-10')<br>3/4/2014<br>L1404493-03 |      | SB5 (13-15')<br>3/2/2014<br>L1404475-11 |      | SB6 (0-5')<br>3/2/2014<br>L1404475-06 |      | SB7 (2-5')<br>3/2/2014<br>L1404475-08 |      | SB8 (5-7')<br>3/4/2014<br>L1404475-10 |      |
|--------------------------------------------|----------|---------------------------------------|------|-----------------------------------------|------|----------------------------------------|------|----------------------------------------|------|-----------------------------------------|------|---------------------------------------|------|---------------------------------------|------|---------------------------------------|------|
| Total Metals: 6010/7471<br>Unit: mg/kg     | NY-UNRES | Result                                | Qual | Result                                  | Qual | Result                                 | Qual | Result                                 | Qual | Result                                  | Qual | Result                                | Qual | Result                                | Qual | Result                                | Qual |
| Aluminum, Total                            |          | 6800                                  |      | 6100                                    |      | 2200                                   |      | 9700                                   |      | 10000                                   |      | 12000                                 |      | 6800                                  |      | 9900                                  |      |
| Antimony, Total                            |          | 0.7                                   | U    | 0.66                                    | U    | ND                                     |      | 0.68                                   | U    | 0.76                                    | U    | 0.62                                  | U    | 0.74                                  | U    | 0.72                                  | U    |
| Arsenic, Total                             | 13       | 9.3                                   |      | 3.2                                     |      | 5.3                                    |      | 2.2                                    |      | 11                                      |      | 1.4                                   |      | 18                                    |      | 2.2                                   |      |
| Barium, Total                              | 350      | 52                                    |      | 41                                      |      | 85                                     |      | 240                                    |      | 58                                      |      | 55                                    |      | 580                                   |      | 41                                    |      |
| Beryllium, Total                           | 7.2      | 0.33                                  | J    | 0.3                                     | J    | 0.19                                   | J    | 0.35                                   | J    | 0.6                                     |      | 0.69                                  |      | 0.29                                  | J    | 0.48                                  |      |
| Cadmium, Total                             | 2.5      | 2.2                                   |      | 0.6                                     | J    | 1.8                                    |      | 0.77                                   | J    | 0.82                                    | J    | 0.9                                   |      | 1.6                                   |      | 0.86                                  | J    |
| Calcium, Total                             |          | 15000                                 |      | 1900                                    |      | 6200                                   |      | 1200                                   |      | 80000                                   |      | 11000                                 |      | 22000                                 |      | 24000                                 |      |
| Chromium, Total                            |          | 9.6                                   |      | 9.9                                     |      | 7.8                                    |      | 32                                     |      | 17                                      |      | 53                                    |      | 23                                    |      | 13                                    |      |
| Cobalt, Total                              |          | 5.7                                   |      | 4.3                                     |      | 7.3                                    |      | 6.4                                    |      | 5.3                                     |      | 4.6                                   |      | 6.1                                   |      | 4.9                                   |      |
| Copper, Total                              | 50       | 40                                    |      | 14                                      |      | 130                                    |      | 22                                     |      | 45                                      |      | 18                                    |      | 66                                    |      | 13                                    |      |
| Iron, Total                                |          | 46000                                 |      | 12000                                   |      | 40000                                  |      | 14000                                  |      | 17000                                   |      | 15000                                 |      | 17000                                 |      | 16000                                 |      |
| Lead, Total                                | 63       | 140                                   |      | 14                                      |      | 110                                    |      | 120                                    |      | 190                                     |      | 46                                    |      | 940                                   |      | 24                                    |      |
| Magnesium, Total                           |          | 3000                                  |      | 1800                                    |      | 550                                    |      | 3700                                   |      | 2400                                    |      | 3600                                  |      | 2800                                  |      | 1400                                  |      |
| Manganese, Total                           | 1600     | 260                                   |      | 240                                     |      | 270                                    |      | 240                                    |      | 310                                     |      | 91                                    |      | 260                                   |      | 430                                   |      |
| Mercury, Total                             | 0.18     | 1                                     |      | 0.11                                    |      | 2.5                                    |      | 0.06                                   | J    | 0.84                                    |      | 0.17                                  |      | 1.8                                   |      | 0.02                                  | U    |
| Nickel, Total                              | 30       | 12                                    |      | 9.3                                     |      | 11                                     |      | 40                                     |      | 15                                      |      | 11                                    |      | 21                                    |      | 8.8                                   |      |
| Potassium, Total                           |          | 680                                   |      | 660                                     |      | 360                                    |      | 1100                                   |      | 1300                                    |      | 1200                                  |      | 1000                                  |      | 590                                   |      |
| Selenium, Total                            | 3.9      | 0.84                                  | J    | 0.25                                    | U    | 1.6                                    | J    | 0.25                                   | U    | 0.94                                    | J    | 0.23                                  | U    | 2.4                                   |      | 0.27                                  | U    |
| Silver, Total                              | 2        | 0.18                                  | U    | 0.17                                    | U    | 0.2                                    | J    | 0.17                                   | U    | 0.19                                    | U    | 0.16                                  | U    | 0.18                                  | U    | 0.18                                  | U    |
| Sodium, Total                              |          | 780                                   |      | 150                                     | J    | 1300                                   |      | 820                                    |      | 1800                                    |      | 310                                   |      | 430                                   |      | 290                                   |      |
| Thallium, Total                            |          | 0.35                                  | U    | 0.33                                    | U    | 0.4                                    | U    | 0.34                                   | U    | 0.38                                    | U    | 0.31                                  | U    | 0.37                                  | U    | 0.36                                  | U    |
| Vanadium, Total                            |          | 15                                    |      | 13                                      |      | 12                                     |      | 26                                     |      | 27                                      |      | 15                                    |      | 20                                    |      | 22                                    |      |
| Zinc, Total                                | 109      | 85                                    |      | 33                                      |      | 180                                    |      | 84                                     |      | 58                                      |      | 65                                    |      | 560                                   |      | 24                                    |      |

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Cells highlighted in yellow indicate a concentration above the NY-UNRES SCO

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For U qualified entries, the MDL is shown

U = not detected above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

Results and MDL values are in milligrams per kilogram (mg/kg)

Soil sample depths shown in feet (ft) within sample location

-- = No standard

Table 6  
Volatile Organic Compounds (VOCs) in Groundwater  
470 Kent Avenue - Brooklyn, NY

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID |         | TMW1<br>3/2/2014<br>L1404475-07 |      | TMW2<br>3/2/2014<br>L1404493-02 |      | TMW3<br>3/2/2014<br>L1404475-02 |      | TMW4<br>3/2/2014<br>L1404571-01 |      | TMW4-PURGE<br>3/4/2014<br>L1404571-02 |      | TMW5<br>3/2/2014<br>L1404475-04 |      | TB<br>3/2/2014<br>L1404475-09 |      |
|--------------------------------------------|---------|---------------------------------|------|---------------------------------|------|---------------------------------|------|---------------------------------|------|---------------------------------------|------|---------------------------------|------|-------------------------------|------|
| Volatile Organic Compounds:<br>Unit: ug/L  | NY-AWQS | Result                          | Qual | Result                          | Qual | Result                          | Qual | Result                          | Qual | Result                                | Qual | Result                          | Qual | Result                        | Qual |
| Methylene chloride                         | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,1-Dichloroethane                         | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Chloroform                                 | 7       | 4                               | U    | 2.3                             | J    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Carbon tetrachloride                       | 5       | 0.13                            | U    | 0.13                            | U    | 0.13                            | U    | 0.13                            | U    | 0.13                                  | U    | 1.3                             | U    | 0.13                          | U    |
| 1,2-Dichloropropane                        | 1       | 0.13                            | U    | 0.13                            | U    | 0.13                            | U    | 0.13                            | U    | 0.13                                  | U    | 1.3                             | U    | 0.13                          | U    |
| Dibromochloromethane                       | 50      | 0.15                            | U    | 0.15                            | U    | 0.15                            | U    | 0.15                            | U    | 0.15                                  | U    | 1.5                             | U    | 0.15                          | U    |
| 1,1,2-Trichloroethane                      | 1       | 0.5                             | U    | 0.5                             | U    | 0.5                             | U    | 0.5                             | U    | 0.5                                   | U    | 5                               | U    | 0.5                           | U    |
| Tetrachloroethene                          | 5       | 28                              | U    | 4                               | U    | 0.18                            | U    | 0.44                            | J    | 0.2                                   | J    | 1.8                             | U    | 0.18                          | U    |
| Chlorobenzene                              | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Trichlorofluoromethane                     | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,2-Dichloroethane                         | 0.6     | 0.13                            | U    | 0.13                            | U    | 0.13                            | U    | 0.13                            | U    | 0.13                                  | U    | 1.3                             | U    | 0.13                          | U    |
| 1,1,1-Trichloroethane                      | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.13                            | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Bromodichloromethane                       | 50      | 0.19                            | U    | 0.19                            | U    | 0.19                            | U    | 0.15                            | U    | 0.19                                  | U    | 1.9                             | U    | 0.19                          | U    |
| trans-1,3-Dichloropropene                  | 0.4     | 0.16                            | U    | 0.16                            | U    | 0.16                            | U    | 0.5                             | U    | 0.16                                  | U    | 1.6                             | U    | 0.16                          | U    |
| cis-1,3-Dichloropropene                    | 0.4     | 0.14                            | U    | 0.14                            | U    | 0.14                            | U    | 0.44                            | J    | 0.14                                  | U    | 1.4                             | U    | 0.14                          | U    |
| 1,1-Dichloropropene                        | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Bromoform                                  | 50      | 0.65                            | U    | 0.65                            | U    | 0.65                            | U    | 0.7                             | U    | 0.65                                  | U    | 6.5                             | U    | 0.65                          | U    |
| 1,1,2,2-Tetrachloroethane                  | 5       | 0.14                            | U    | 0.14                            | U    | 0.14                            | U    | 0.13                            | U    | 0.14                                  | U    | 1.4                             | U    | 0.14                          | U    |
| Benzene                                    | 1       | 0.16                            | U    | 0.16                            | U    | 0.16                            | U    | 0.7                             | U    | 0.16                                  | U    | 86                              | U    | 0.16                          | U    |
| Toluene                                    | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.19                            | U    | 0.7                                   | U    | 29                              | U    | 0.7                           | U    |
| Ethylbenzene                               | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.16                            | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Chloromethane                              | --      | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.14                            | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Bromomethane                               | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Vinyl chloride                             | 2       | 0.33                            | U    | 0.33                            | U    | 0.33                            | U    | 0.65                            | U    | 0.33                                  | U    | 3.3                             | U    | 0.33                          | U    |
| Chloroethane                               | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.14                            | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,1-Dichloroethene                         | 5       | 0.14                            | U    | 0.14                            | U    | 0.14                            | U    | 0.16                            | U    | 0.14                                  | U    | 1.4                             | U    | 0.14                          | U    |
| trans-1,2-Dichloroethene                   | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Trichloroethene                            | 5       | 26                              | U    | 1.2                             | U    | 0.17                            | U    | 0.7                             | U    | 0.17                                  | U    | 1.7                             | U    | 0.17                          | U    |
| 1,2-Dichlorobenzene                        | 3       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,3-Dichlorobenzene                        | 3       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,4-Dichlorobenzene                        | 3       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.33                            | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Methyl tert butyl ether                    | 10      | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| p/m-Xylene                                 | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.14                            | U    | 0.7                                   | U    | 33                              | U    | 0.7                           | U    |
| o-Xylene                                   | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 14                              | J    | 0.7                           | U    |
| cis-1,2-Dichloroethene                     | 5       | 2.4                             | J    | 0.7                             | U    | 0.7                             | U    | 0.17                            | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Dibromomethane                             | 5       | 1                               | U    | 1                               | U    | 1                               | U    | 0.7                             | U    | 1                                     | U    | 10                              | U    | 1                             | U    |
| 1,2,3-Trichloropropane                     | 0.04    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Acrylonitrile                              | 5       | 1.5                             | U    | 1.5                             | U    | 1.5                             | U    | 0.7                             | U    | 1.5                                   | U    | 15                              | U    | 1.5                           | U    |
| Styrene                                    | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Dichlorodifluoromethane                    | 5       | 1                               | U    | 1                               | U    | 1                               | U    | 0.7                             | U    | 1                                     | U    | 10                              | U    | 1                             | U    |
| Acetone                                    | 50      | 1                               | U    | 1                               | U    | 1                               | U    | 0.7                             | U    | 1                                     | U    | 10                              | U    | 1                             | U    |
| Carbon disulfide                           | 60      | 1                               | U    | 1                               | U    | 1                               | U    | 2.2                             | J    | 1                                     | U    | 10                              | U    | 1                             | U    |
| 2-Butanone                                 | 50      | 1                               | U    | 1                               | U    | 1                               | U    | 1                               | U    | 1                                     | U    | 10                              | U    | 1                             | U    |
| Vinyl acetate                              | --      | 1                               | U    | 1                               | U    | 1                               | U    | 0.7                             | U    | 1                                     | U    | 10                              | U    | 1                             | U    |
| 4-Methyl-2-pentanone                       | --      | 1                               | U    | 1                               | U    | 1                               | U    | 1.5                             | U    | 1                                     | U    | 10                              | U    | 1                             | U    |
| 2-Hexanone                                 | 50      | 1                               | U    | 1                               | U    | 1                               | U    | 0.7                             | U    | 1                                     | U    | 10                              | U    | 1                             | U    |
| Bromochloromethane                         | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 1                               | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 2,2-Dichloropropane                        | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 1                               | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,2-Dibromomethane                         | 0.0006  | 0.65                            | U    | 0.65                            | U    | 0.65                            | U    | 0.65                            | U    | 0.65                                  | U    | 6.5                             | U    | 0.65                          | U    |
| 1,3-Dichloropropane                        | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,1,1,2-Tetrachloroethane                  | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Bromobenzene                               | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| n-Butylbenzene                             | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| sec-Butylbenzene                           | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| tert-Butylbenzene                          | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| o-Chlorotoluene                            | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| p-Chlorotoluene                            | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,2-Dibromo-3-chloropropane                | 0.04    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Hexachlorobutadiene                        | 0.5     | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Isopropylbenzene                           | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| p-Isopropyltoluene                         | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| Naphthalene                                | 10      | 4.2                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 440                             | U    | 0.7                           | U    |
| n-Propylbenzene                            | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,2,3-Trichlorobenzene                     | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,2,4-Trichlorobenzene                     | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,3,5-Trimethylbenzene                     | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,2,4-Trimethylbenzene                     | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,4-Dioxane                                | --      | 41                              | U    | 41                              | U    | 41                              | U    | 41                              | U    | 41                                    | U    | 410                             | U    | 41                            | U    |
| 1,4-Diethylbenzene                         | --      | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 4-Ethyltoluene                             | --      | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| 1,2,4,5-Tetramethylbenzene                 | --      | 0.65                            | U    | 0.65                            | U    | 0.65                            | U    | 0.65                            | U    | 0.65                                  | U    | 6.5                             | U    | 0.65                          | U    |
| Ethyl ether                                | --      | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |
| trans-1,4-Dichloro-2-butene                | 5       | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                                   | U    | 7                               | U    | 0.7                           | U    |

NY-AWQS = New York State Ambient Water Quality Standard

Cells highlighted in yellow indicate a concentration above the NY-AWQS value

Cells highlighted in blue indicate an MDL above the NY-AWQS value

MDL = Maximum Detection Limit

RL = Reporting Limit

Qual = Laboratory Data Qualifier

For U qualified entries, the MDL is shown

U = not detected above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

Results and MDL values are in micrograms per liter (ug/L)

-- = No standard

Table 7  
Semivolatile Organic Compounds (SVOCs) in Groundwater  
470 Kent Avenue - Brooklyn, NY

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID |         | TMW1<br>3/2/2014<br>L1404475-07 |      | TMW2<br>3/4/2014<br>L1404493-02 |      | TMW3<br>3/2/2014<br>L1404475-02 |      | TMW4<br>3/4/2014<br>L1404571-01 |      | TMW5<br>3/2/2014<br>L1404475-04 |      |
|--------------------------------------------|---------|---------------------------------|------|---------------------------------|------|---------------------------------|------|---------------------------------|------|---------------------------------|------|
| Semivolatile Organics: 8270D<br>Unit: ug/L | NY-AWQS | Result                          | Qual | Result                          | Qual | Result                          | Qual | Result                          | Qual | Result                          | Qual |
| 1,2,4-Trichlorobenzene                     | 5       | 0.21                            | U    | 0.21                            | U    | 0.21                            | U    | 0.21                            | U    | 0.21                            | U    |
| Bis(2-chloroethyl)ether                    | 1       | 0.41                            | U    | 0.41                            | U    | 0.41                            | U    | 0.41                            | U    | 0.41                            | U    |
| 1,2-Dichlorobenzene                        | 3       | 0.3                             | U    | 0.3                             | U    | 0.3                             | U    | 0.3                             | U    | 0.3                             | U    |
| 1,3-Dichlorobenzene                        | 3       | 0.35                            | U    | 0.35                            | U    | 0.35                            | U    | 0.35                            | U    | 0.35                            | U    |
| 1,4-Dichlorobenzene                        | 3       | 0.32                            | U    | 0.32                            | U    | 0.32                            | U    | 0.32                            | U    | 0.32                            | U    |
| 3,3'-Dichlorobenzidine                     | 5       | 0.48                            | U    | 0.48                            | U    | 0.48                            | U    | 0.48                            | U    | 0.48                            | U    |
| 2,4-Dinitrotoluene                         | 5       | 1                               | U    | 1                               | U    | 1                               | U    | 1                               | U    | 1                               | U    |
| 2,6-Dinitrotoluene                         | 5       | 0.89                            | U    | 0.89                            | U    | 0.89                            | U    | 0.89                            | U    | 0.89                            | U    |
| 4-Chlorophenyl phenyl ether                | --      | 0.36                            | U    | 0.36                            | U    | 0.36                            | U    | 0.36                            | U    | 0.36                            | U    |
| 4-Bromophenyl phenyl ether                 | --      | 0.43                            | U    | 0.43                            | U    | 0.43                            | U    | 0.43                            | U    | 0.43                            | U    |
| Bis(2-chloroisopropyl)ether                | 5       | 0.6                             | U    | 0.6                             | U    | 0.6                             | U    | 0.6                             | U    | 0.6                             | U    |
| Bis(2-chloroethoxy)methane                 | 5       | 0.6                             | U    | 0.6                             | U    | 0.6                             | U    | 0.6                             | U    | 0.6                             | U    |
| Hexachlorocyclopentadiene                  | 5       | 0.58                            | U    | 0.58                            | U    | 0.58                            | U    | 0.58                            | U    | 0.58                            | U    |
| Isophorone                                 | 50      | 0.79                            | U    | 0.79                            | U    | 0.79                            | U    | 0.79                            | U    | 0.79                            | U    |
| Nitrobenzene                               | 0.4     | 0.4                             | U    | 0.4                             | U    | 0.4                             | U    | 0.4                             | U    | 0.4                             | U    |
| NitrosoDiPhenylAmine (NDPA)/DPA            | 50      | 0.34                            | U    | 0.34                            | U    | 0.34                            | U    | 0.34                            | U    | 0.34                            | U    |
| n-Nitrosodi-n-propylamine                  | --      | 0.64                            | U    | 0.64                            | U    | 0.64                            | U    | 0.64                            | U    | 0.64                            | U    |
| Bis(2-Ethylhexyl)phthalate                 | 5       | 0.93                            | U    | 0.93                            | U    | 0.93                            | U    | 0.93                            | U    | 0.93                            | U    |
| Butyl benzyl phthalate                     | 50      | 1.1                             | U    | 1.1                             | U    | 1.1                             | U    | 1.1                             | U    | 1.1                             | U    |
| Di-n-butylphthalate                        | 50      | 0.77                            | U    | 0.77                            | U    | 0.77                            | U    | 0.77                            | U    | 0.77                            | U    |
| Di-n-octylphthalate                        | 50      | 1.2                             | U    | 1.2                             | U    | 1.2                             | U    | 1.2                             | U    | 1.2                             | U    |
| Diethyl phthalate                          | 50      | 0.39                            | U    | 0.39                            | U    | 0.39                            | U    | 0.39                            | U    | 0.39                            | U    |
| Dimethyl phthalate                         | 50      | 0.33                            | U    | 0.33                            | U    | 0.33                            | U    | 0.33                            | U    | 0.33                            | U    |
| Biphenyl                                   | --      | 0.24                            | U    | 0.24                            | U    | 0.24                            | U    | 0.24                            | U    | 2.1                             |      |
| 4-Chloroaniline                            | 5       | 0.84                            | U    | 0.84                            | U    | 0.84                            | U    | 0.84                            | U    | 0.84                            | U    |
| 2-Nitroaniline                             | 5       | 0.96                            | U    | 0.96                            | U    | 0.96                            | U    | 0.96                            | U    | 0.96                            | U    |
| 3-Nitroaniline                             | 5       | 0.67                            | U    | 0.67                            | U    | 0.67                            | U    | 0.67                            | U    | 0.67                            | U    |
| 4-Nitroaniline                             | 5       | 0.83                            | U    | 0.83                            | U    | 0.83                            | U    | 0.83                            | U    | 0.83                            | U    |
| Dibenzofuran                               | --      | 0.22                            | U    | 0.22                            | U    | 0.22                            | U    | 0.22                            | U    | 4.4                             |      |
| 1,2,4,5-Tetrachlorobenzene                 | 5       | 0.36                            | U    | 0.36                            | U    | 0.36                            | U    | 0.36                            | U    | 0.36                            | U    |
| Acetophenone                               | --      | 0.43                            | U    | 0.43                            | U    | 0.43                            | U    | 0.43                            | U    | 0.43                            | U    |
| 2,4,6-Trichlorophenol                      | --      | 0.78                            | U    | 0.78                            | U    | 0.78                            | U    | 0.78                            | U    | 0.78                            | U    |
| p-Chloro-M-Cresol                          | --      | 0.54                            | U    | 0.54                            | U    | 0.54                            | U    | 0.54                            | U    | 0.54                            | U    |
| 2-Chlorophenol                             | --      | 0.58                            | U    | 0.58                            | U    | 0.58                            | U    | 0.58                            | U    | 0.58                            | U    |
| 2,4-Dichlorophenol                         | 1       | 0.56                            | U    | 0.56                            | U    | 0.56                            | U    | 0.56                            | U    | 0.56                            | U    |
| 2,4-Dimethylphenol                         | 50      | 0.58                            | U    | 0.58                            | U    | 0.58                            | U    | 0.58                            | U    | 0.58                            | U    |
| 2-Nitrophenol                              | --      | 1                               | U    | 1                               | U    | 1                               | U    | 1                               | U    | 1                               | U    |
| 4-Nitrophenol                              | --      | 1.1                             | U    | 1.1                             | U    | 1.1                             | U    | 1.1                             | U    | 1.1                             | U    |
| 2,4-Dinitrophenol                          | 10      | 1.4                             | U    | 1.4                             | U    | 1.4                             | U    | 1.4                             | U    | 1.4                             | U    |
| 4,6-Dinitro-o-cresol                       | --      | 1.4                             | U    | 1.4                             | U    | 1.4                             | U    | 1.4                             | U    | 1.4                             | U    |
| Phenol                                     | 1       | 0.27                            | U    | 0.27                            | U    | 0.27                            | U    | 0.27                            | U    | 0.27                            | U    |
| 2-Methylphenol                             | --      | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 0.7                             | U    | 3.1                             | J    |
| 3-Methylphenol/4-Methylphenol              | --      | 0.72                            | U    | 0.72                            | U    | 0.72                            | U    | 0.72                            | U    | 0.72                            | U    |
| 2,4,5-Trichlorophenol                      | --      | 0.75                            | U    | 0.75                            | U    | 0.75                            | U    | 0.75                            | U    | 0.75                            | U    |
| Benzoic Acid                               | --      | 1                               | U    | 1.4                             | J    | 1                               | U    | 1                               | J    | 1                               | U    |
| Benzyl Alcohol                             | --      | 0.68                            | U    | 0.68                            | U    | 0.68                            | U    | 0.68                            | U    | 0.68                            | U    |
| Carbazole                                  | --      | 0.37                            | U    | 0.37                            | U    | 0.37                            | U    | 0.37                            | U    | 6.9                             |      |
| Acenaphthene                               | 20      | 0.26                            |      | 0.06                            | U    | 0.06                            | U    | 0.39                            | J    | 1.1                             |      |
| 2-Chloronaphthalene                        | 10      | 0.07                            | U    | 0.07                            | U    | 0.07                            | U    | 0.33                            | U    | 0.13                            | U    |
| Fluoranthene                               | 50      | 0.39                            |      | 0.07                            | J    | 0.12                            | J    | 0.52                            | J    | 2.4                             |      |
| Hexachlorobutadiene                        | 0.5     | 0.07                            | U    | 0.07                            | U    | 0.07                            | U    | 0.36                            | U    | 0.14                            | U    |
| Naphthalene                                | 10      | 3.7                             | U    | 0.06                            | U    | 0.06                            | U    | 0.32                            | U    | 340                             |      |
| Benzo(a)anthracene                         | --      | 0.07                            | J    | 0.06                            | U    | 0.06                            | J    | 0.28                            | U    | 0.78                            |      |
| Benzo(a)pyrene                             | 0       | 0.07                            | U    | 0.07                            | U    | 0.07                            | U    | 1.2                             |      | 0.68                            |      |
| Benzo(b)fluoranthene                       | 0.002   | 0.07                            | U    | 0.07                            | U    | 0.17                            | J    | 1.5                             |      | 0.77                            |      |
| Benzo(k)fluoranthene                       | 0.002   | 0.07                            | U    | 0.07                            | U    | 0.07                            | U    | 0.59                            | J    | 0.39                            | J    |
| Chrysene                                   | 0.002   | 0.06                            | J    | 0.05                            | U    | 0.05                            | U    | 0.24                            | U    | 0.66                            |      |
| Acenaphthylene                             | --      | 0.14                            | J    | 0.05                            | U    | 0.05                            | U    | 0.25                            | U    | 1.8                             |      |
| Anthracene                                 | 50      | 0.22                            |      | 0.06                            | U    | 0.06                            | U    | 0.43                            | J    | 1.9                             |      |
| Benzo(ghi)perylene                         | --      | 0.07                            | U    | 0.07                            | U    | 0.07                            | U    | 0.84                            | J    | 0.52                            |      |
| Fluorene                                   | 50      | 0.42                            |      | 0.06                            | U    | 0.06                            | U    | 0.28                            | U    | 2.6                             |      |
| Phenanthrene                               | 50      | 1.2                             |      | 0.11                            | J    | 0.1                             | J    | 0.5                             | J    | 7                               |      |
| Dibenzo(a,h)anthracene                     | --      | 0.07                            | U    | 0.07                            | U    | 0.07                            | U    | 0.36                            | U    | 0.15                            | U    |
| Indeno(1,2,3-cd)Pyrene                     | 0.002   | 0.08                            | U    | 0.08                            | U    | 0.08                            | U    | 1.1                             |      | 0.43                            |      |
| Pyrene                                     | 50      | 0.29                            |      | 0.06                            | U    | 0.09                            | J    | 5.8                             |      | 1.8                             |      |
| 2-Methylnaphthalene                        | --      | 0.62                            |      | 0.06                            | U    | 0.06                            | U    | 0.3                             | U    | 12                              |      |
| Pentachlorophenol                          | 1       | 0.19                            | U    | 0.19                            | U    | 0.19                            | U    | 0.94                            | U    | 0.37                            | U    |
| Hexachlorobenzene                          | 0.04    | 0.01                            | U    | 0.01                            | U    | 0.01                            | U    | 0.07                            | U    | 0.03                            | U    |
| Hexachloroethane                           | 5       | 0.07                            | U    | 0.07                            | U    | 0.07                            | U    | 0.32                            | U    | 0.13                            | U    |

NY-AWQS = New York State Ambient Water Quality Standard

Cells highlighted in yellow indicate a concentration above the NY-AWQS

Cells highlighted in blue indicate an MDL above the Ambient Water Quality Standard, for compounds not detected at the MDL

MDL = Maximum Detection Limit

RL = Reporting Limit

Qual = Laboratory Data Qualifier

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

Results and MDL values are in micrograms per liter (ug/L)

-- = No standard

Table 8  
Pesticides and Polychlorinated Biphenyls (PCBs) in Groundwater  
470 Kent Avenue - Brooklyn, NY

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID                   |                | TMW1<br>3/2/2014<br>L1404475-07 |             | TMW2<br>3/4/2014<br>L1404493-02 |             | TMW3<br>3/2/2014<br>L1404475-02 |             | TMW4<br>3/4/2014<br>L1404571-01 |             | TMW5<br>3/2/2014<br>L1404475-04 |             |
|--------------------------------------------------------------|----------------|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|-------------|
| <b>Pesticides: 8081B</b><br>Unit: ug/L                       | <b>NY-AWQS</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> |
| Delta-BHC                                                    | 0.04           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           |
| Lindane                                                      | 0.05           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           |
| Alpha-BHC                                                    | 0.01           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           |
| Beta-BHC                                                     | 0.04           | 0.006                           | U           | 0.006                           | U           | 0.006                           | U           | 0.006                           | U           | 0.006                           | U           |
| Heptachlor                                                   | 0.04           | 0.003                           | U           | 0.003                           | U           | 0.003                           | U           | 0.003                           | U           | 0.003                           | U           |
| Aldrin                                                       | 0              | 0.002                           | U           | 0.002                           | U           | 0.002                           | U           | 0.002                           | U           | 0.002                           | U           |
| Heptachlor epoxide                                           | 0.03           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           |
| Endrin                                                       | 0              | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           |
| Endrin ketone                                                | 5              | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           |
| Dieldrin                                                     | 0.004          | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           |
| 4,4'-DDE                                                     | 0.2            | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           |
| 4,4'-DDD                                                     | 0.3            | 0.012                           | J           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           |
| 4,4'-DDT                                                     | 0.2            | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           | 0.004                           | U           |
| Endosulfan I                                                 | --             | 0.003                           | U           | 0.003                           | U           | 0.003                           | U           | 0.003                           | U           | 0.003                           | U           |
| Endosulfan II                                                | --             | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           |
| Endosulfan sulfate                                           | --             | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           | 0.005                           | U           |
| Methoxychlor                                                 | 35             | 0.007                           | U           | 0.007                           | U           | 0.007                           | U           | 0.007                           | U           | 0.007                           | U           |
| Toxaphene                                                    | 0.06           | 0.063                           | U           | 0.063                           | U           | 0.063                           | U           | 0.063                           | U           | 0.063                           | U           |
| cis-Chlordane                                                | --             | 0.007                           | U           | 0.007                           | U           | 0.007                           | U           | 0.007                           | U           | 0.007                           | U           |
| trans-Chlordane                                              | --             | 0.006                           | U           | 0.006                           | U           | 0.006                           | U           | 0.006                           | U           | 0.006                           | U           |
| Chlordane                                                    | 0.05           | 0.046                           | U           | 0.046                           | U           | 0.046                           | U           | 0.046                           | U           | 0.046                           | U           |
| <b>Polychlorinated Biphenyls (PCBs): 8082A</b><br>Unit: ug/L | <b>NY-AWQS</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> |
| Aroclor 1016                                                 | 0.09           | 0.055                           | U           | 0.055                           | U           | 0.055                           | U           | 0.055                           | U           | 0.055                           | U           |
| Aroclor 1221                                                 | 0.09           | 0.053                           | U           | 0.053                           | U           | 0.053                           | U           | 0.053                           | U           | 0.053                           | U           |
| Aroclor 1232                                                 | 0.09           | 0.031                           | U           | 0.031                           | U           | 0.031                           | U           | 0.031                           | U           | 0.031                           | U           |
| Aroclor 1242                                                 | 0.09           | 0.06                            | U           | 0.06                            | U           | 0.06                            | U           | 0.06                            | U           | 0.06                            | U           |
| Aroclor 1248                                                 | 0.09           | 0.051                           | U           | 0.051                           | U           | 0.051                           | U           | 0.051                           | U           | 0.051                           | U           |
| Aroclor 1254                                                 | 0.09           | 0.034                           | U           | 0.034                           | U           | 0.034                           | U           | 0.034                           | U           | 0.034                           | U           |
| Aroclor 1260                                                 | 0.09           | 0.032                           | U           | 0.032                           | U           | 0.032                           | U           | 0.032                           | U           | 0.032                           | U           |
| Aroclor 1262                                                 | 0.09           | 0.029                           | U           | 0.029                           | U           | 0.029                           | U           | 0.029                           | U           | 0.029                           | U           |
| Aroclor 1268                                                 | 0.09           | 0.038                           | U           | 0.038                           | U           | 0.038                           | U           | 0.038                           | U           | 0.038                           | U           |

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For U qualified entries, the MDL is shown

U = not detected at or above the MDL

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J = estimated value, indicating the detected value is below the RL, but above the MDL

Results and MDL values are in micrograms per liter (ug/L)

-- = No standard



Table 9  
Total Metals in Groundwater  
470 Kent Avenue - Brooklyn, NY

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID |                | TMW1<br>3/2/2014<br>L1404475-07 |             | TMW2<br>3/4/2014<br>L1404493-02 |             | TMW3<br>3/2/2014<br>L1404475-02 |             | TMW4<br>3/4/2014<br>L1404571-01 |             | TMW5<br>3/2/2014<br>L1404475-04 |             |
|--------------------------------------------|----------------|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|-------------|
| <b>Total Metals: 6020A</b>                 |                |                                 |             |                                 |             |                                 |             |                                 |             |                                 |             |
| <b>Unit: ug/L</b>                          | <b>NY-AWQS</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> | <b>Result</b>                   | <b>Qual</b> |
| Aluminum, Total                            |                | 84.1                            |             | 688                             |             | 40                              | U           | 8670                            |             | 866                             |             |
| Antimony, Total                            | 3              | 3.78                            | J           | 23.08                           | J           | 7.2                             | J           | 5.26                            | J           | 8.68                            | J           |
| Arsenic, Total                             | 25             | 0.48                            | J           | 3.56                            | J           | 3.08                            | J           | 24.62                           |             | 5.04                            | J           |
| Barium, Total                              | 1000           | 53.53                           |             | 1073                            |             | 54.54                           |             | 163.8                           |             | 30.44                           |             |
| Beryllium, Total                           | 3              | 0.1                             | U           | 2                               | U           | 2                               | U           | 2                               | U           | 2                               | U           |
| Cadmium, Total                             | 5              | 0.05                            | U           | 1                               | U           | 1                               | U           | 1                               | U           | 1                               | U           |
| Calcium, Total                             | --             | 66400                           |             | 401000                          |             | 247000                          |             | 293000                          |             | 264000                          |             |
| Chromium, Total                            | 50             | 0.58                            | J           | 4                               | U           | 4                               | U           | 26.16                           |             | 8.1                             | J           |
| Cobalt, Total                              | --             | 3.07                            |             | 2                               | U           | 2.52                            | J           | 7.25                            | J           | 2                               | U           |
| Copper, Total                              | 200            | 0.7                             | J           | 2                               | U           | 3.96                            | J           | 50.06                           |             | 9.5                             | J           |
| Iron, Total                                | 300            | 173                             |             | 901                             | J           | 260                             | U           | 12300                           |             | 921                             | J           |
| Lead, Total                                | 25             | 0.58                            | J           | 4                               | U           | 4                               | U           | 427                             |             | 22.64                           |             |
| Magnesium, Total                           | 35000          | 18000                           |             | 10400                           |             | 535000                          |             | 708000                          |             | 738000                          |             |
| Manganese, Total                           | 300            | 2816                            |             | 79.78                           |             | 261.6                           |             | 275.6                           |             | 148.5                           |             |
| Mercury, Total                             | 0.7            | 0.06                            | U           | 0.06                            | U           | 0.06                            | U           | 0.84                            |             | 0.46                            |             |
| Nickel, Total                              | 100            | 3.54                            |             | 2                               |             | 7.6                             | J           | 32.28                           |             | 4.92                            | J           |
| Potassium, Total                           | --             | 3620                            |             | 7960                            |             | 163000                          |             | 209000                          |             | 208000                          |             |
| Selenium, Total                            | 10             | 2.7                             | J           | 6                               | U           | 11.2                            | J           | 43.1                            | J           | 6                               | U           |
| Silver, Total                              | 50             | 0.01                            | U           | 2                               | U           | 2                               | U           | 2                               | U           | 2                               | U           |
| Sodium, Total                              | 20000          | 80200                           |             | 948000                          |             | 4280000                         |             | 6010000                         |             | 5280000                         |             |
| Thallium, Total                            | 0.5            | 0.03                            | U           | 0.6                             |             | 0.6                             | U           | 1.21                            | J           | 0.6                             | U           |
| Vanadium, Total                            | --             | 0.52                            | J           | 2                               |             | 2                               | U           | 26.94                           | J           | 2                               | U           |
| Zinc, Total                                | 2000           | 10.1                            |             | 24                              |             | 48.62                           | J           | 256.2                           |             | 43.8                            | J           |

NY-AWQS = New York State Ambient Water Quality Standard

Cells highlighted in yellow indicate a concentration above the Ambient Water Quality Standard

Cells highlighted in blue indicate an MDL above the NY-AWQS

MDL = Maximum Detection Limit

RL = Reporting Limit

Qual = Laboratory Data Qualifier

For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

J = estimated value, indicating the detected value is below the RL, but above the MDL

Results and MDL values are in micrograms per liter (ug/L)

-- = No standard

Table 10  
Dissolved Metals in Groundwater  
470 Kent Avenue - Brooklyn, NY

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID |         | TMW1<br>3/2/2014<br>L1404475-07 |      | TMW2<br>3/4/2014<br>L1404493-02 |      | TMW3<br>3/2/2014<br>L1404475-02 |      | TMW4<br>3/4/2014<br>L1404571-01 |      | TMW5<br>3/2/2014<br>L1404475-04 |      |
|--------------------------------------------|---------|---------------------------------|------|---------------------------------|------|---------------------------------|------|---------------------------------|------|---------------------------------|------|
| Dissolved Metals: 6020A<br>Unit: ug/L      | NY-AWQS | Result                          | Qual | Result                          | Qual | Result                          | Qual | Result                          | Qual | Result                          | Qual |
| Aluminum, Dissolved                        |         | 3.43                            | J    | 135                             |      | 40                              | U    | 68.8                            | J    | 40                              | U    |
| Antimony, Dissolved                        | 3       | 7.43                            |      | 3.77                            | J    | 43.8                            | J    | 6.22                            | J    | 33.6                            | J    |
| Arsenic, Dissolved                         | 25      | 0.26                            | J    | 2.2                             |      | 4.7                             | J    | 16.13                           |      | 4                               | U    |
| Barium, Dissolved                          | 1000    | 49.79                           |      | 986                             |      | 54.2                            |      | 75.52                           |      | 34                              |      |
| Beryllium, Dissolved                       | 3       | 0.1                             | U    | 0.4                             | U    | 2                               | U    | 2                               | U    | 2                               | U    |
| Cadmium, Dissolved                         | 5       | 0.05                            | U    | 0.2                             | U    | 1                               | U    | 1                               | U    | 1                               | U    |
| Calcium, Dissolved                         | --      | 61100                           |      | 354000                          |      | 251000                          |      | 264000                          |      | 309000                          |      |
| Chromium, Dissolved                        | 50      | 0.26                            | J    | 1.16                            | J    | 4                               | U    | 4                               | U    | 4                               | U    |
| Cobalt, Dissolved                          | --      | 2.68                            |      | 0.46                            | J    | 2.66                            | J    | 2                               | U    | 2                               | U    |
| Copper, Dissolved                          | 200     | 0.31                            | J    | 0.83                            | J    | 4.6                             | J    | 5.35                            | J    | 5.32                            | J    |
| Iron, Dissolved                            | 300     | 13                              | U    | 1410                            |      | 260                             | U    | 1300                            |      | 260                             | U    |
| Lead, Dissolved                            | 25      | 0.2                             | U    | 0.8                             | U    | 4                               | U    | 5.86                            | J    | 4                               | U    |
| Magnesium, Dissolved                       | 35000   | 17100                           |      | 9720                            | J    | 494000                          |      | 623000                          |      | 634000                          |      |
| Manganese, Dissolved                       | 300     | 2614                            |      | 2.47                            |      | 278.2                           |      | 121.3                           |      | 167.8                           |      |
| Mercury, Dissolved                         | 0.7     | 0.06                            | U    | 0.06                            | U    | 0.06                            | U    | 0.06                            | U    | 0.06                            | U    |
| Nickel, Dissolved                          | 100     | 3.22                            |      | 2.99                            |      | 7.24                            | J    | 8.05                            | J    | 5.96                            | J    |
| Potassium, Dissolved                       | --      | 3370                            |      | 14200                           |      | 155000                          |      | 185000                          |      | 241000                          |      |
| Selenium, Dissolved                        | 10      | 2.21                            | J    | 2.69                            | J    | 10.8                            | J    | 44.4                            | J    | 6                               | U    |
| Silver, Dissolved                          | 50      | 0.01                            | U    | 0.04                            | U    | 2                               | U    | 2                               | U    | 6.1                             | J    |
| Sodium, Dissolved                          | 20000   | 74200                           |      | 1020000                         |      | 3960000                         |      | 5130000                         |      | 4780000                         |      |
| Thallium, Dissolved                        | 0.5     | 0.03                            | U    | 0.12                            | U    | 0.6                             | U    | 0.6                             | U    | 0.6                             | U    |
| Vanadium, Dissolved                        | --      | 0.24                            | J    | 0.64                            | J    | 2                               | U    | 5.75                            | J    | 2                               | U    |
| Zinc, Dissolved                            | 2000    | 2.12                            | J    | 13.23                           | J    | 54.16                           | J    | 27.3                            | J    | 43.12                           | J    |

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Cells highlighted in yellow indicate a concentration above the AWQS

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RL = Reporting Limit

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For U qualified entries, the MDL is shown

U = not detected at or above the MDL

For J qualified entries, the estimated concentration is shown

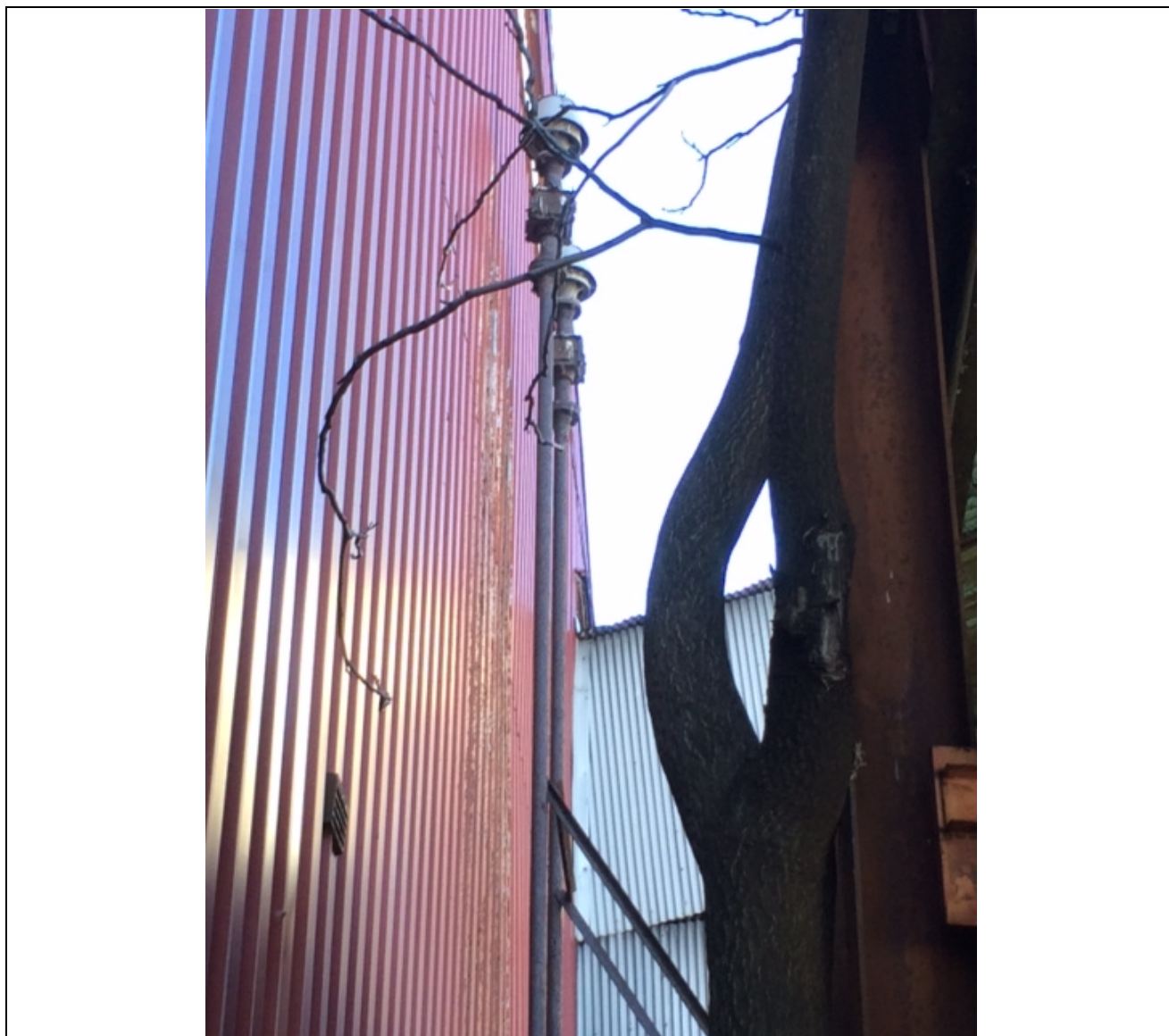
J = estimated value, indicating the detected value is below the RL, but above the MDL

Results and MDL values are in micrograms per liter (ug/L)

-- = No standard

## Attachment 1

### *Photographic Log*



1. UST vent lines



2. Top of UST, in vault



3. Petroleum in purge water at TMW4





4. Temporary well screen from TMW4



5. Soil cores, typical



## Attachment 2

### *Geophysical Report*

GPR  
MAGNETICS  
ELECTROMAGNETICS  
SEISMICS  
RESISTIVITY  
UTILITY LOCATION  
UXO DETECTION  
BOREHOLE CAMERA  
SEWER CAMERA  
STAFF SUPPORT

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## Results of Geophysical Investigation

**Portions of the Certified Lumber Corporation Property**  
**470 Kent Avenue**  
**Brooklyn, New York**

**Prepared for:**           **Tenen Environmental, LLC.**  
                                  **New York, NY**

**Date of Investigation:**   **February 28, 2014**

---

**Prepared by:**



Mark E. Weis  
Senior Geologist  
NAEVA Geophysics, Inc.  
225 N. Route 303, Suite 102  
Congers, NY 10920

## Contents

Introduction

Methods

Results

Figure 1           Underground Storage Tanks Identified During a  
                          Geophysical Investigation on Portions of the  
                          Certified Lumber Property.

Appendix           Photolog

### NEW YORK

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New York 10920  
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Virginia 22906  
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(434) 973-9791 Fax

**Results of Geophysical Investigation  
Portions of the Certified Lumber Corporation Property  
470 Kent Avenue  
Brooklyn, New York**

---

**Introduction** On February 28, 2014, NAEVA Geophysics, Inc. conducted a geophysical investigation on portions of the Certified Lumber Corporation property located at 470 Kent Avenue in Brooklyn, New York. The purpose of the investigation was to search for possible underground storage tanks (USTs) that may remain from previous operations at the site. In addition, eight proposed exploratory boring sites (PEBSs) were individually examined for evidence of subsurface utilities. The areas of investigation for the UST search were accessible portions of the 40,000 ft<sup>2</sup> parking lot at the south end of the property and the approximately 60 by 235-foot area between the two large buildings that was covered by a shed-type roof. Of the eight proposed soil borings, four were in the parking lot, two were inside the eastern building, one was in the western building, and one was under the shed roof. The lumber yard was in active operation at the time of our investigation and roughly half of the area of concern was covered by stored materials and vehicles; therefore, much of the site could not be thoroughly investigated.



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**Methods** The equipment used for this investigation included a Fisher TW-6 Pipe and Cable Locator, Subsite 950 and 3M Dynatel 2250 utility locating instruments, and a Malå RAMAC ground penetrating radar (GPR) system with a 250 MHz antenna.

The areas of investigation were first visually inspected for evidence of UST-related features such as fill ports and vent pipes. Two vent pipes were observed along the east wall of the western building, about 55 feet north of its southeast corner. A radio-frequency signal was conducted onto each vent using the Subsite utility-locating instrument's transmitter. The signals were then used to trace the associated underground piping to their apparent termination points.

The TW-6, a type of hand-held electromagnetic metal-detector, was then carried across the vent pipe termination points, as well as over accessible portions of the remainder of the area of investigation, in a series of closely spaced traverses to look for indications of subsurface metallic objects large enough to represent USTs. The instrument could not be used effectively in close proximity to vehicles, metal racks and shelving, or other metallic items, or over areas paved with reinforced concrete. Significant metal-detector anomalies were marked on the ground and further investigated using GPR to characterize their sources more fully. This additional GPR investigation consisted of collecting bi-directional GPR data profiles centered over the anomalies. The profiles were then inspected for evidence of hyperbolic reflections that could be indicative of USTs, subsurface conduits, or buried structures. Additional GPR data profiles were collected across the portions of the site that were covered by reinforced concrete pavement.

The eight PEBSs were investigated using utility locating instruments. The areas around the PEBSs were visually inspected for evidence of subsurface utilities or other buried features, but stored materials blocked access to much of the buildings' interior. Radio-frequency tracing signals were conducted onto the accessible lines using the utility locating instruments' transmitters. These signals was used to trace out the utilities using the instrument's receiver.

Many utilities carry electric currents, and therefore produce electromagnetic fields that can be detected at the surface. In addition, buried metallic conduits, acting as antennas, often pick up background radar and commercial radio signals and re-radiate them. The PEBSs were investigated for evidence of these signals using the Subsite receiver. We also investigated the PEBSs by using the Dynatel 2250 in a split-box fashion. For this technique, two operators, one carrying the transmitter and one carrying the receiver, walked bi-directionally across each PEBS at a fixed distance to one another while listening for increases in signal strength that would suggest possible subsurface utilities. Where signal increases were noted, they were further investigated in an attempt to discern a signal propagating utility. The Dynatel is particularly suited to locating the surface trace of telephone, electric, and other narrow-gauge wiring, but can also detect larger metallic conduits and piping.

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## Results

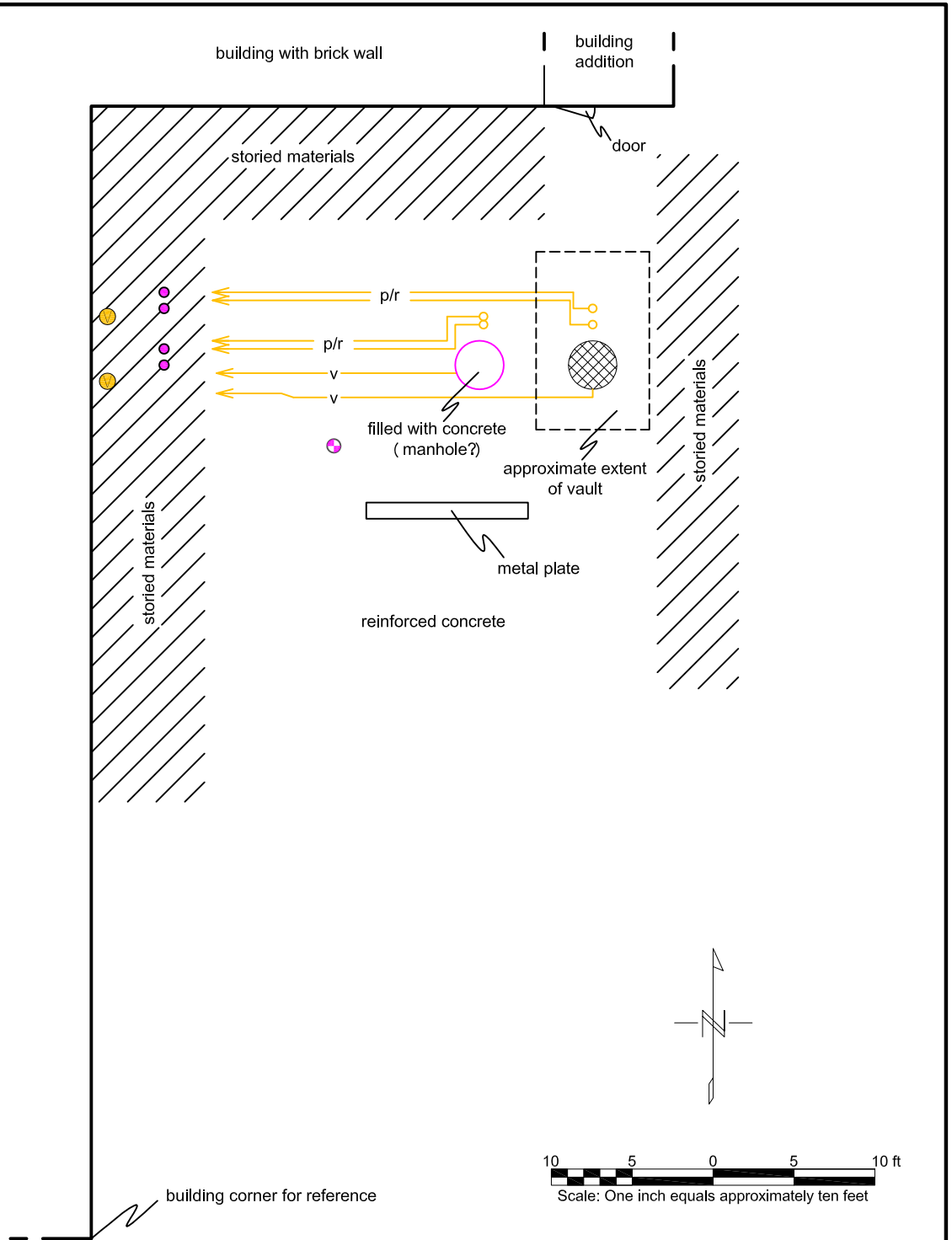
NAEVA identified two suspected USTs at this site. Two vent pipes were observed along the east wall of the western building, about 55 feet north of its southeast corner (see Figure 1). A radio-frequency signal was conducted onto each vent using the Subsite utility-locating instrument's transmitter. The signals were used to trace the associated underground piping eastward for about 25 feet to their apparent termination points near two manholes; one with a steel cover and the other apparently abandoned and filled with concrete. When the steel cover

was opened, a 7 by 11-foot vault was exposed that contained a UST manway, the vent, and suspected feed and return piping. The centerline of the tank is oriented north/south. The two suspected feed/return lines were traced back westward to where they terminated as cut-off stubs close to the vent riser. Two additional cut-off stubs were then note near the second vent; these were traced to the abandoned manhole and are believed to also be former product and return lines.

The two manholes covers are centered 7 feet apart; therefore, it is surmised that the two USTs are 6 feet, or less, in diameter. The three most common capacities for steel USTs having 6-foot diameters are 4,000-gal (6 x 19 feet), 5,000-gal (6 x 24 feet), and 6,000-gal (6 x 29 feet). The ground surface above the tanks was covered by steel-reinforced concrete pavement, so the TW-6 metal-detector could not be used to determine the lengths of the USTs. Likewise, the depth of penetration of the GPR's signal was insufficient to detect the tanks so the GPR provided no additional information as to the tank's dimensions or depth of burial. The surface trace of this UST-related piping was marked on the floor using yellow paint

The TW-6 metal detector identified a large number of irregularly-shaped anomalies within the asphalt-paved parking lot. These ranged in size from point-type anomalies up to extensive areas possibly representing buried reinforced concrete pavement or metallic/conductive fill material. While the sources of these anomalies are not known, NAEVA found no conclusive evidence to suggest they are caused by USTs. The depth of penetration of the GPR's signal was less than 3 feet across the site, which is likely to have been insufficient to image additional USTs, if present.

Only a few utilities were identified in the vicinities of the PEBSs. These included storm sewers from a catch basin in the northwest corner of the parking lot and electric conduits near the Kent Avenue gate. The eight approved PEBS locations were marked with pink crosses surrounded by white 1-foot diameter circles.



## LEGEND

- p/r — product/return line
- v — vent line
- UST vent
- cut-off pipe
- proposed soil boring
- manhole cover



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Figure 1: Underground Storage Tanks Identified During a Geophysical Investigation on Portions of the Certified Lumber Property

|             |                     |              |                   |
|-------------|---------------------|--------------|-------------------|
| Client      | Tenen Environmental | Date of Work | February 28, 2014 |
| Project No. | C1402281W           | Map By       | Hiroimi Hamajima  |

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

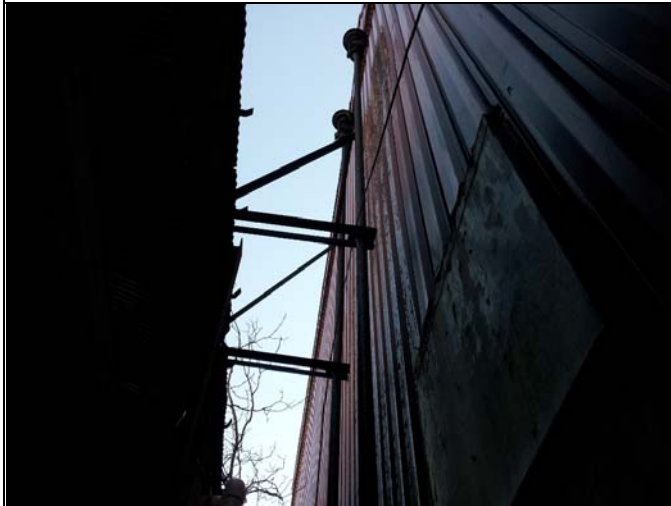
**470 Kent Avenue, Brooklyn, NY**  
**PHOTO LOG**



**Two UST manhole covers, facing north**



**Two USTs and associated piping, facing east**



**Two UST Vent pipes, view facing south**



**Two pairs of cut-off product/return lines to USTs**



## Attachment 3

### *Lithologic Logs*



## ANALYTICAL REPORT

|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| Lab Number:     | L1404475                                                                            |
| Client:         | Tenen Environmental, LLC<br>121 West 27th Street<br>Suite 1004<br>New York City, NY |
| ATTN:           | Matt Carroll                                                                        |
| Phone:          | (646) 606-2332                                                                      |
| Project Name:   | 470 KENT AVENUE                                                                     |
| Project Number: | 470K                                                                                |
| Report Date:    | 03/11/14                                                                            |

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

| Alpha<br>Sample ID | Client ID   | Sample<br>Location | Collection<br>Date/Time |
|--------------------|-------------|--------------------|-------------------------|
| L1404475-01        | SB3 (8-10)  | BROOKLYN, NY       | 03/02/14 15:15          |
| L1404475-02        | TMW3        | BROOKLYN, NY       | 03/02/14 16:10          |
| L1404475-03        | SB5 (8-10)  | BROOKLYN, NY       | 03/02/14 16:25          |
| L1404475-04        | TMW5        | BROOKLYN, NY       | 03/02/14 17:25          |
| L1404475-05        | SB1 (0-5)   | BROOKLYN, NY       | 03/02/14 17:45          |
| L1404475-06        | SB6 (0-5)   | BROOKLYN, NY       | 03/02/14 18:30          |
| L1404475-07        | TMW1        | BROOKLYN, NY       | 03/02/14 18:55          |
| L1404475-08        | SB7 (2-5)   | BROOKLYN, NY       | 03/02/14 18:55          |
| L1404475-09        | TB          | BROOKLYN, NY       | 03/02/14 00:00          |
| L1404475-10        | SB8 (5-7)   | BROOKLYN, NY       | 03/04/14 08:35          |
| L1404475-11        | SB5 (13-15) | BROOKLYN, NY       | 03/02/14 16:30          |

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

### 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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### 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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

---

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**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**

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.

**Semivolatile Organics**

L1404475-03 and -06 have elevated detection limits due to the dilutions required by the sample matrices.

**Semivolatile Organics - SIM**

L1404475-04 has elevated detection limits due to the dilution required by the sample matrix.

**Pesticides**

L1404475-08 has elevated detection limits due to the dilution required by the sample matrix.

The surrogate recoveries for L1404475-08 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (both 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

**Metals**

L1404475-01 through -06, -08, and -10 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG673910-4 MS recoveries for aluminum (819%), calcium (0%), copper (0%), iron (0%), and manganese (0%), performed on L1404475-01, do not apply because the sample concentration is greater than four times the spike amount added.

The WG673910-4 MS recoveries, performed on L1404475-01, are outside the acceptance criteria for cadmium (74%), thallium (64%), and zinc (0%). A post digestion spike was performed and yielded

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

### Case Narrative (continued)

unacceptable recoveries for thallium (70%) and zinc (79%). All other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG673910-3 Laboratory Duplicate RPDs, performed on L1404475-01, are outside the acceptance criteria for cadmium (40%), iron (42%), lead (37%), and vanadium (40%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

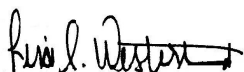
#### Dissolved Metals

L1404475-02 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG673797-4 MS recoveries for calcium (220%), magnesium (0%), potassium (220%), and sodium (0%), performed on L1404475-02, do not apply because the sample concentration is greater than four times the spike amount added.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 03/11/14

# ORGANICS



# VOLATILES

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-01  
**Client ID:** SB3 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/05/14 15:24  
**Analyst:** BN  
**Percent Solids:** 74%

**Date Collected:** 03/02/14 15:15  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 13  | 2.7  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 2.0 | 0.24 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 2.0 | 0.50 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.3 | 0.28 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 4.7 | 0.31 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.3 | 0.41 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 2.0 | 0.41 | 1               |
| Tetrachloroethene                            | 0.44   | J         | ug/kg | 1.3 | 0.19 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.3 | 0.47 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 6.7 | 0.16 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.3 | 0.20 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.3 | 0.15 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.3 | 0.31 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.3 | 0.16 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.3 | 0.17 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/kg | 6.7 | 0.61 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 5.4 | 0.56 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.3 | 0.23 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.3 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/kg | 2.0 | 0.15 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.3 | 0.20 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 6.7 | 1.0  | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.7 | 0.45 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.7 | 0.19 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.7 | 0.42 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.3 | 0.28 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 2.0 | 0.28 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.3 | 0.20 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 6.7 | 0.25 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 6.7 | 0.25 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 6.7 | 0.32 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-01  
 Client ID: SB3 (8-10)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 15:15  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.7 | 0.14 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.7 | 0.43 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 2.7 | 0.36 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.3 | 0.20 | 1               |
| Dibromomethane                               | ND     |           | ug/kg | 13  | 0.22 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.7 | 0.42 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 13  | 0.29 | 1               |
| Acetone                                      | 13     |           | ug/kg | 13  | 4.2  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 13  | 2.7  | 1               |
| 2-Butanone                                   | 7.2    | J         | ug/kg | 13  | 0.48 | 1               |
| Vinyl acetate                                | ND     |           | ug/kg | 13  | 0.64 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 13  | 0.33 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/kg | 13  | 0.30 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 13  | 0.25 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 6.7 | 0.26 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/kg | 6.7 | 0.30 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 5.4 | 0.24 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/kg | 6.7 | 0.23 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.3 | 0.43 | 1               |
| Bromobenzene                                 | ND     |           | ug/kg | 6.7 | 0.28 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 1.3 | 0.26 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 1.3 | 0.28 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 6.7 | 0.75 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/kg | 6.7 | 0.22 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/kg | 6.7 | 0.21 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 6.7 | 1.1  | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/kg | 6.7 | 0.57 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.3 | 0.22 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 1.3 | 0.26 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 6.7 | 1.0  | 1               |
| Acrylonitrile                                | ND     |           | ug/kg | 13  | 0.32 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.3 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 6.7 | 0.23 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 6.7 | 1.1  | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 6.7 | 0.19 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 6.7 | 0.77 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 130 | 23.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/kg | 5.4 | 0.22 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/kg | 5.4 | 0.16 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-01  
 Client ID: SB3 (8-10)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 15:15  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/kg | 5.4 | 0.18 | 1               |
| Ethyl ether                                  | ND     |           | ug/kg | 6.7 | 0.36 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/kg | 6.7 | 0.60 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 100        |           | 70-130              |
| Toluene-d8            | 105        |           | 70-130              |
| 4-Bromofluorobenzene  | 107        |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-02  
**Client ID:** TMW3  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/06/14 15:18  
**Analyst:** PD

**Date Collected:** 03/02/14 16:10  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| 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  | 0.13 | 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               |
| 1,1-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 | 0.14 | 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  | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.17 | 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               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-02  
 Client ID: TMW3  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 16:10  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 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               |
| cis-1,2-Dichloroethene                       | 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 | 1.0  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0 | 1.0  | 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               |
| 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 | 41.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-02  
 Client ID: TMW3  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 16:10  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0 | 0.65 | 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 | 102        |           | 70-130              |
| Toluene-d8            | 93         |           | 70-130              |
| 4-Bromofluorobenzene  | 101        |           | 70-130              |
| Dibromofluoromethane  | 97         |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-04      D  
**Client ID:** TMW5  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/06/14 16:28  
**Analyst:** PD

**Date Collected:** 03/02/14 17:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Methylene chloride                           | ND     |           | ug/l  | 25  | 7.0 | 10              |
| 1,1-Dichloroethane                           | ND     |           | ug/l  | 25  | 7.0 | 10              |
| Chloroform                                   | ND     |           | ug/l  | 25  | 7.0 | 10              |
| Carbon tetrachloride                         | ND     |           | ug/l  | 5.0 | 1.3 | 10              |
| 1,2-Dichloropropane                          | ND     |           | ug/l  | 10  | 1.3 | 10              |
| Dibromochloromethane                         | ND     |           | ug/l  | 5.0 | 1.5 | 10              |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 15  | 5.0 | 10              |
| Tetrachloroethene                            | ND     |           | ug/l  | 5.0 | 1.8 | 10              |
| Chlorobenzene                                | ND     |           | ug/l  | 25  | 7.0 | 10              |
| Trichlorofluoromethane                       | ND     |           | ug/l  | 25  | 7.0 | 10              |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 5.0 | 1.3 | 10              |
| 1,1,1-Trichloroethane                        | ND     |           | ug/l  | 25  | 7.0 | 10              |
| Bromodichloromethane                         | ND     |           | ug/l  | 5.0 | 1.9 | 10              |
| trans-1,3-Dichloropropene                    | ND     |           | ug/l  | 5.0 | 1.6 | 10              |
| cis-1,3-Dichloropropene                      | ND     |           | ug/l  | 5.0 | 1.4 | 10              |
| 1,1-Dichloropropene                          | ND     |           | ug/l  | 25  | 7.0 | 10              |
| Bromoform                                    | ND     |           | ug/l  | 20  | 6.5 | 10              |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/l  | 5.0 | 1.4 | 10              |
| Benzene                                      | 86     |           | ug/l  | 5.0 | 1.6 | 10              |
| Toluene                                      | 29     |           | ug/l  | 25  | 7.0 | 10              |
| Ethylbenzene                                 | ND     |           | ug/l  | 25  | 7.0 | 10              |
| Chloromethane                                | ND     |           | ug/l  | 25  | 7.0 | 10              |
| Bromomethane                                 | ND     |           | ug/l  | 25  | 7.0 | 10              |
| Vinyl chloride                               | ND     |           | ug/l  | 10  | 3.3 | 10              |
| Chloroethane                                 | ND     |           | ug/l  | 25  | 7.0 | 10              |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 5.0 | 1.4 | 10              |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 25  | 7.0 | 10              |
| Trichloroethene                              | ND     |           | ug/l  | 5.0 | 1.7 | 10              |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 25  | 7.0 | 10              |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 25  | 7.0 | 10              |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 25  | 7.0 | 10              |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-04 D

Date Collected: 03/02/14 17:25

Client ID: TMW5

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 25   | 7.0 | 10              |
| p/m-Xylene                                   | 33     |           | ug/l  | 25   | 7.0 | 10              |
| o-Xylene                                     | 14     | J         | ug/l  | 25   | 7.0 | 10              |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 25   | 7.0 | 10              |
| Dibromomethane                               | ND     |           | ug/l  | 50   | 10. | 10              |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 25   | 7.0 | 10              |
| Acrylonitrile                                | ND     |           | ug/l  | 50   | 15. | 10              |
| Styrene                                      | ND     |           | ug/l  | 25   | 7.0 | 10              |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 50   | 10. | 10              |
| Acetone                                      | ND     |           | ug/l  | 50   | 10. | 10              |
| Carbon disulfide                             | ND     |           | ug/l  | 50   | 10. | 10              |
| 2-Butanone                                   | ND     |           | ug/l  | 50   | 10. | 10              |
| Vinyl acetate                                | ND     |           | ug/l  | 50   | 10. | 10              |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 50   | 10. | 10              |
| 2-Hexanone                                   | ND     |           | ug/l  | 50   | 10. | 10              |
| Bromochloromethane                           | ND     |           | ug/l  | 25   | 7.0 | 10              |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 25   | 7.0 | 10              |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 20   | 6.5 | 10              |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 25   | 7.0 | 10              |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 25   | 7.0 | 10              |
| Bromobenzene                                 | ND     |           | ug/l  | 25   | 7.0 | 10              |
| n-Butylbenzene                               | ND     |           | ug/l  | 25   | 7.0 | 10              |
| sec-Butylbenzene                             | ND     |           | ug/l  | 25   | 7.0 | 10              |
| tert-Butylbenzene                            | ND     |           | ug/l  | 25   | 7.0 | 10              |
| o-Chlorotoluene                              | ND     |           | ug/l  | 25   | 7.0 | 10              |
| p-Chlorotoluene                              | ND     |           | ug/l  | 25   | 7.0 | 10              |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 25   | 7.0 | 10              |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 25   | 7.0 | 10              |
| Isopropylbenzene                             | ND     |           | ug/l  | 25   | 7.0 | 10              |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 25   | 7.0 | 10              |
| Naphthalene                                  | 440    |           | ug/l  | 25   | 7.0 | 10              |
| n-Propylbenzene                              | ND     |           | ug/l  | 25   | 7.0 | 10              |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 25   | 7.0 | 10              |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 25   | 7.0 | 10              |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 25   | 7.0 | 10              |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 25   | 7.0 | 10              |
| 1,4-Dioxane                                  | ND     |           | ug/l  | 2500 | 410 | 10              |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 20   | 7.0 | 10              |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 20   | 7.0 | 10              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-04 D

Date Collected: 03/02/14 17:25

Client ID: TMW5

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 20 | 6.5 | 10              |
| Ethyl ether                                  | ND     |           | ug/l  | 25 | 7.0 | 10              |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 25 | 7.0 | 10              |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 99         |           | 70-130              |
| Toluene-d8            | 93         |           | 70-130              |
| 4-Bromofluorobenzene  | 98         |           | 70-130              |
| Dibromofluoromethane  | 97         |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-05  
**Client ID:** SB1 (0-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/05/14 15:51  
**Analyst:** BN  
**Percent Solids:** 88%

**Date Collected:** 03/02/14 17:45  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 11  | 2.3  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.7 | 0.20 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.7 | 0.42 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.1 | 0.24 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 4.0 | 0.26 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.1 | 0.35 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.7 | 0.35 | 1               |
| Tetrachloroethene                            | 0.47   | J         | ug/kg | 1.1 | 0.16 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.1 | 0.40 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 5.7 | 0.14 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.1 | 0.13 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.1 | 0.26 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/kg | 5.7 | 0.52 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.6 | 0.47 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.1 | 0.13 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.7 | 0.13 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 5.7 | 0.90 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.3 | 0.39 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.3 | 0.16 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.3 | 0.36 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1 | 0.24 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.7 | 0.24 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 5.7 | 0.21 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 5.7 | 0.21 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 5.7 | 0.28 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-05  
 Client ID: SB1 (0-5)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 17:45  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.3 | 0.12 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.3 | 0.37 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 2.3 | 0.31 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| Dibromomethane                               | ND     |           | ug/kg | 11  | 0.19 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.3 | 0.35 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 0.25 | 1               |
| Acetone                                      | ND     |           | ug/kg | 11  | 3.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 2.3  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 11  | 0.40 | 1               |
| Vinyl acetate                                | ND     |           | ug/kg | 11  | 0.55 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 11  | 0.28 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/kg | 11  | 0.26 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 11  | 0.22 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 5.7 | 0.22 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/kg | 5.7 | 0.26 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 4.6 | 0.20 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/kg | 5.7 | 0.20 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.36 | 1               |
| Bromobenzene                                 | ND     |           | ug/kg | 5.7 | 0.24 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 1.1 | 0.24 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 5.7 | 0.64 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/kg | 5.7 | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/kg | 5.7 | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 5.7 | 0.90 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/kg | 5.7 | 0.48 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| Naphthalene                                  | 5.9    |           | ug/kg | 5.7 | 0.88 | 1               |
| Acrylonitrile                                | ND     |           | ug/kg | 11  | 0.27 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 5.7 | 0.19 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 5.7 | 0.90 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 5.7 | 0.16 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 5.7 | 0.65 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 110 | 20.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/kg | 4.6 | 0.18 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/kg | 4.6 | 0.13 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-05  
 Client ID: SB1 (0-5)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 17:45  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/kg | 4.6 | 0.15 | 1               |
| Ethyl ether                                  | ND     |           | ug/kg | 5.7 | 0.30 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/kg | 5.7 | 0.51 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 101        |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-06  
**Client ID:** SB6 (0-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/05/14 16:19  
**Analyst:** BN  
**Percent Solids:** 96%

**Date Collected:** 03/02/14 18:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 10  | 2.1  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.6 | 0.18 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6 | 0.38 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.0 | 0.22 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 3.6 | 0.24 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.0 | 0.32 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.6 | 0.32 | 1               |
| Tetrachloroethene                            | 0.47   | J         | ug/kg | 1.0 | 0.14 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.0 | 0.36 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 5.2 | 0.12 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.0 | 0.15 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.0 | 0.11 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.0 | 0.24 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.0 | 0.12 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.0 | 0.13 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/kg | 5.2 | 0.47 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.1 | 0.43 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.0 | 0.12 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.6 | 0.12 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0 | 0.15 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 5.2 | 0.81 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.1 | 0.35 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.1 | 0.15 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.1 | 0.33 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.0 | 0.21 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.6 | 0.22 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.0 | 0.16 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 5.2 | 0.19 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 5.2 | 0.19 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 5.2 | 0.25 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-06  
 Client ID: SB6 (0-5)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 18:30  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.1 | 0.11 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.1 | 0.33 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 2.1 | 0.28 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.0 | 0.15 | 1               |
| Dibromomethane                               | ND     |           | ug/kg | 10  | 0.17 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.1 | 0.32 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.23 | 1               |
| Acetone                                      | ND     |           | ug/kg | 10  | 3.2  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 2.1  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 10  | 0.37 | 1               |
| Vinyl acetate                                | ND     |           | ug/kg | 10  | 0.50 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 10  | 0.25 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/kg | 10  | 0.23 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 10  | 0.20 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 5.2 | 0.20 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/kg | 5.2 | 0.23 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 4.1 | 0.18 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/kg | 5.2 | 0.18 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.0 | 0.33 | 1               |
| Bromobenzene                                 | ND     |           | ug/kg | 5.2 | 0.22 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 1.0 | 0.20 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 1.0 | 0.21 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 5.2 | 0.58 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/kg | 5.2 | 0.16 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/kg | 5.2 | 0.16 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 5.2 | 0.82 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/kg | 5.2 | 0.44 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.0 | 0.17 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 1.0 | 0.20 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 5.2 | 0.80 | 1               |
| Acrylonitrile                                | ND     |           | ug/kg | 10  | 0.25 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.0 | 0.13 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 5.2 | 0.17 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 5.2 | 0.82 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 5.2 | 0.15 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 5.2 | 0.59 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 100 | 18.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/kg | 4.1 | 0.16 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/kg | 4.1 | 0.12 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-06  
 Client ID: SB6 (0-5)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 18:30  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/kg | 4.1 | 0.14 | 1               |
| Ethyl ether                                  | ND     |           | ug/kg | 5.2 | 0.28 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/kg | 5.2 | 0.46 | 1               |

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



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-07  
**Client ID:** TMW1  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/06/14 15:53  
**Analyst:** PD

**Date Collected:** 03/02/14 18:55  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| 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                                   | 4.0    |           | 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  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                            | 28     |           | 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               |
| 1,1-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 | 0.14 | 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  | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichloroethene                              | 26     |           | ug/l  | 0.50 | 0.17 | 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               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-07  
 Client ID: TMW1  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 18:55  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 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               |
| cis-1,2-Dichloroethene                       | 2.4    | J         | 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 | 1.0  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0 | 1.0  | 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                                  | 4.2    |           | ug/l  | 2.5 | 0.70 | 1               |
| 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 | 41.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-07  
 Client ID: TMW1  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 18:55  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0 | 0.65 | 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 | 98         |           | 70-130              |
| Toluene-d8            | 93         |           | 70-130              |
| 4-Bromofluorobenzene  | 101        |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-08  
**Client ID:** SB7 (2-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/05/14 16:46  
**Analyst:** BN  
**Percent Solids:** 86%

**Date Collected:** 03/02/14 18:55  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 12  | 2.3  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.8 | 0.21 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.8 | 0.43 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.2 | 0.24 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 4.1 | 0.27 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.2 | 0.36 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.8 | 0.35 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 1.2 | 0.16 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.2 | 0.40 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 5.8 | 0.14 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.2 | 0.17 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.2 | 0.13 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.2 | 0.27 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.2 | 0.14 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.2 | 0.15 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/kg | 5.8 | 0.53 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.7 | 0.48 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.2 | 0.20 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.2 | 0.14 | 1               |
| Toluene                                      | 0.88   | J         | ug/kg | 1.8 | 0.13 | 1               |
| Ethylbenzene                                 | 1.3    |           | ug/kg | 1.2 | 0.17 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 5.8 | 0.91 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.3 | 0.39 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.3 | 0.16 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.3 | 0.37 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.2 | 0.24 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.8 | 0.25 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.2 | 0.18 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 5.8 | 0.21 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 5.8 | 0.21 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 5.8 | 0.28 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-08  
 Client ID: SB7 (2-5)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 18:55  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.3 | 0.12 | 1               |
| p/m-Xylene                                   | 1.0    | J         | ug/kg | 2.3 | 0.38 | 1               |
| o-Xylene                                     | 0.62   | J         | ug/kg | 2.3 | 0.32 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.2 | 0.17 | 1               |
| Dibromomethane                               | ND     |           | ug/kg | 12  | 0.19 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.3 | 0.36 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 12  | 0.25 | 1               |
| Acetone                                      | 74     |           | ug/kg | 12  | 3.6  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 12  | 2.3  | 1               |
| 2-Butanone                                   | 8.5    | J         | ug/kg | 12  | 0.41 | 1               |
| Vinyl acetate                                | ND     |           | ug/kg | 12  | 0.56 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 12  | 0.28 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/kg | 12  | 0.26 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 12  | 0.22 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 5.8 | 0.23 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/kg | 5.8 | 0.26 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 4.7 | 0.21 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/kg | 5.8 | 0.20 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.2 | 0.37 | 1               |
| Bromobenzene                                 | ND     |           | ug/kg | 5.8 | 0.24 | 1               |
| n-Butylbenzene                               | 0.58   | J         | ug/kg | 1.2 | 0.23 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 1.2 | 0.24 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 5.8 | 0.65 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/kg | 5.8 | 0.19 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/kg | 5.8 | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 5.8 | 0.92 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/kg | 5.8 | 0.49 | 1               |
| Isopropylbenzene                             | 0.90   | J         | ug/kg | 1.2 | 0.20 | 1               |
| p-Isopropyltoluene                           | 46     |           | ug/kg | 1.2 | 0.22 | 1               |
| Naphthalene                                  | 12     |           | ug/kg | 5.8 | 0.90 | 1               |
| Acrylonitrile                                | ND     |           | ug/kg | 12  | 0.28 | 1               |
| n-Propylbenzene                              | 0.88   | J         | ug/kg | 1.2 | 0.15 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 5.8 | 0.20 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 5.8 | 0.92 | 1               |
| 1,3,5-Trimethylbenzene                       | 0.50   | J         | ug/kg | 5.8 | 0.17 | 1               |
| 1,2,4-Trimethylbenzene                       | 1.9    | J         | ug/kg | 5.8 | 0.67 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 120 | 20.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/kg | 4.7 | 0.19 | 1               |
| 4-Ethyltoluene                               | 2.1    | J         | ug/kg | 4.7 | 0.14 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-08  
 Client ID: SB7 (2-5)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 18:55  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | 0.43   | J         | ug/kg | 4.7 | 0.15 | 1               |
| Ethyl ether                                  | ND     |           | ug/kg | 5.8 | 0.31 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/kg | 5.8 | 0.52 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 101        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 108        |           | 70-130              |
| Dibromofluoromethane  | 102        |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-09  
**Client ID:** TB  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/05/14 11:18  
**Analyst:** PD

**Date Collected:** 03/02/14 00:00  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| 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  | 0.13 | 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               |
| 1,1-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 | 0.14 | 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  | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.17 | 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               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-09

Date Collected: 03/02/14 00:00

Client ID: TB

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 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               |
| cis-1,2-Dichloroethene                       | 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 | 1.0  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0 | 1.0  | 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               |
| 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 | 41.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-09  
 Client ID: TB  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 00:00  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0 | 0.65 | 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 | 101        |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 97         |           | 70-130              |
| Dibromofluoromethane  | 97         |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-10  
**Client ID:** SB8 (5-7)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/05/14 17:13  
**Analyst:** BN  
**Percent Solids:** 88%

**Date Collected:** 03/04/14 08:35  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 11  | 2.3  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.7 | 0.20 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.7 | 0.42 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.1 | 0.24 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 4.0 | 0.26 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.1 | 0.35 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.7 | 0.34 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.1 | 0.39 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 5.7 | 0.14 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.1 | 0.12 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.1 | 0.26 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/kg | 5.7 | 0.52 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.5 | 0.47 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.1 | 0.13 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.7 | 0.13 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 5.7 | 0.89 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.3 | 0.38 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.3 | 0.16 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.3 | 0.36 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.7 | 0.24 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 5.7 | 0.21 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 5.7 | 0.21 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 5.7 | 0.27 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-10  
 Client ID: SB8 (5-7)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 08:35  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.3 | 0.12 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.3 | 0.37 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 2.3 | 0.31 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| Dibromomethane                               | ND     |           | ug/kg | 11  | 0.18 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.3 | 0.35 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 0.25 | 1               |
| Acetone                                      | ND     |           | ug/kg | 11  | 3.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 2.3  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 11  | 0.40 | 1               |
| Vinyl acetate                                | ND     |           | ug/kg | 11  | 0.54 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 11  | 0.28 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/kg | 11  | 0.26 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 11  | 0.21 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 5.7 | 0.22 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/kg | 5.7 | 0.26 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 4.5 | 0.20 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/kg | 5.7 | 0.20 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.36 | 1               |
| Bromobenzene                                 | ND     |           | ug/kg | 5.7 | 0.24 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 5.7 | 0.64 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/kg | 5.7 | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/kg | 5.7 | 0.17 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 5.7 | 0.90 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/kg | 5.7 | 0.48 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 5.7 | 0.87 | 1               |
| Acrylonitrile                                | ND     |           | ug/kg | 11  | 0.27 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 5.7 | 0.19 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 5.7 | 0.90 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 5.7 | 0.16 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 5.7 | 0.65 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 110 | 20.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/kg | 4.5 | 0.18 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/kg | 4.5 | 0.13 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-10  
 Client ID: SB8 (5-7)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 08:35  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/kg | 4.5 | 0.15 | 1               |
| Ethyl ether                                  | ND     |           | ug/kg | 5.7 | 0.30 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/kg | 5.7 | 0.51 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 100        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 100        |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-11      D  
**Client ID:** SB5 (13-15)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/05/14 18:35  
**Analyst:** BN  
**Percent Solids:** 56%

**Date Collected:** 03/02/14 16:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                           | ND     |           | ug/kg | 4400 | 890 | 250             |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 670  | 79. | 250             |
| Chloroform                                   | ND     |           | ug/kg | 670  | 160 | 250             |
| Carbon tetrachloride                         | ND     |           | ug/kg | 440  | 94. | 250             |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 1600 | 100 | 250             |
| Dibromochloromethane                         | ND     |           | ug/kg | 440  | 140 | 250             |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 670  | 140 | 250             |
| Tetrachloroethene                            | ND     |           | ug/kg | 440  | 62. | 250             |
| Chlorobenzene                                | ND     |           | ug/kg | 440  | 150 | 250             |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 2200 | 54. | 250             |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 440  | 65. | 250             |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 440  | 49. | 250             |
| Bromodichloromethane                         | ND     |           | ug/kg | 440  | 100 | 250             |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 440  | 54. | 250             |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 440  | 56. | 250             |
| 1,1-Dichloropropene                          | ND     |           | ug/kg | 2200 | 200 | 250             |
| Bromoform                                    | ND     |           | ug/kg | 1800 | 180 | 250             |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 440  | 76. | 250             |
| Benzene                                      | 1200   |           | ug/kg | 440  | 52. | 250             |
| Toluene                                      | 1400   |           | ug/kg | 670  | 50. | 250             |
| Ethylbenzene                                 | 280    | J         | ug/kg | 440  | 66. | 250             |
| Chloromethane                                | ND     |           | ug/kg | 2200 | 350 | 250             |
| Bromomethane                                 | ND     |           | ug/kg | 890  | 150 | 250             |
| Vinyl chloride                               | ND     |           | ug/kg | 890  | 63. | 250             |
| Chloroethane                                 | ND     |           | ug/kg | 890  | 140 | 250             |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 440  | 92. | 250             |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 670  | 94. | 250             |
| Trichloroethene                              | ND     |           | ug/kg | 440  | 68. | 250             |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2200 | 81. | 250             |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2200 | 81. | 250             |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2200 | 110 | 250             |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-11 D

Date Collected: 03/02/14 16:30

Client ID: SB5 (13-15)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |       |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 890   | 46.  | 250             |
| p/m-Xylene                                   | 2100   |           | ug/kg | 890   | 140  | 250             |
| o-Xylene                                     | 740    | J         | ug/kg | 890   | 120  | 250             |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 440   | 66.  | 250             |
| Dibromomethane                               | ND     |           | ug/kg | 4400  | 73.  | 250             |
| Styrene                                      | ND     |           | ug/kg | 890   | 140  | 250             |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 4400  | 97.  | 250             |
| Acetone                                      | ND     |           | ug/kg | 4400  | 1400 | 250             |
| Carbon disulfide                             | ND     |           | ug/kg | 4400  | 890  | 250             |
| 2-Butanone                                   | ND     |           | ug/kg | 4400  | 160  | 250             |
| Vinyl acetate                                | ND     |           | ug/kg | 4400  | 210  | 250             |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 4400  | 110  | 250             |
| 1,2,3-Trichloropropane                       | ND     |           | ug/kg | 4400  | 100  | 250             |
| 2-Hexanone                                   | ND     |           | ug/kg | 4400  | 84.  | 250             |
| Bromochloromethane                           | ND     |           | ug/kg | 2200  | 88.  | 250             |
| 2,2-Dichloropropane                          | ND     |           | ug/kg | 2200  | 100  | 250             |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1800  | 79.  | 250             |
| 1,3-Dichloropropane                          | ND     |           | ug/kg | 2200  | 77.  | 250             |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 440   | 140  | 250             |
| Bromobenzene                                 | ND     |           | ug/kg | 2200  | 93.  | 250             |
| n-Butylbenzene                               | ND     |           | ug/kg | 440   | 88.  | 250             |
| sec-Butylbenzene                             | ND     |           | ug/kg | 440   | 92.  | 250             |
| tert-Butylbenzene                            | ND     |           | ug/kg | 2200  | 250  | 250             |
| o-Chlorotoluene                              | ND     |           | ug/kg | 2200  | 71.  | 250             |
| p-Chlorotoluene                              | ND     |           | ug/kg | 2200  | 68.  | 250             |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 2200  | 350  | 250             |
| Hexachlorobutadiene                          | ND     |           | ug/kg | 2200  | 190  | 250             |
| Isopropylbenzene                             | ND     |           | ug/kg | 440   | 74.  | 250             |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 440   | 85.  | 250             |
| Naphthalene                                  | 54000  |           | ug/kg | 2200  | 340  | 250             |
| Acrylonitrile                                | ND     |           | ug/kg | 4400  | 100  | 250             |
| n-Propylbenzene                              | ND     |           | ug/kg | 440   | 56.  | 250             |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2200  | 75.  | 250             |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2200  | 350  | 250             |
| 1,3,5-Trimethylbenzene                       | 430    | J         | ug/kg | 2200  | 64.  | 250             |
| 1,2,4-Trimethylbenzene                       | 960    | J         | ug/kg | 2200  | 250  | 250             |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 44000 | 7700 | 250             |
| 1,4-Diethylbenzene                           | 120    | J         | ug/kg | 1800  | 71.  | 250             |
| 4-Ethyltoluene                               | 220    | J         | ug/kg | 1800  | 52.  | 250             |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-11 D

Date Collected: 03/02/14 16:30

Client ID: SB5 (13-15)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| 1,2,4,5-Tetramethylbenzene                   | 120    | J         | ug/kg | 1800 | 58. | 250             |
| Ethyl ether                                  | ND     |           | ug/kg | 2200 | 120 | 250             |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/kg | 2200 | 200 | 250             |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 99         |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 102        |           | 70-130              |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/05/14 10:06  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL   | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG673750-3 |        |           |       |      |      |
| 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  | 0.13 |
| 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 |
| 1,1-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 | 0.14 |
| 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  | 0.33 |
| Chloroethane                                                                     | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethene                                                               | ND     |           | ug/l  | 0.50 | 0.14 |
| trans-1,2-Dichloroethene                                                         | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichloroethene                                                                  | ND     |           | ug/l  | 0.50 | 0.17 |
| 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 |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/05/14 10:06  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG673750-3 |        |           |       |     |      |
| 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 |
| cis-1,2-Dichloroethene                                                           | 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 | 1.0  |
| Carbon disulfide                                                                 | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Butanone                                                                       | ND     |           | ug/l  | 5.0 | 1.0  |
| 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 |
| 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 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/05/14 10:06  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG673750-3 |        |           |       |     |      |
| 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 | 41.  |
| 1,4-Diethylbenzene                                                               | ND     |           | ug/l  | 2.0 | 0.70 |
| 4-Ethyltoluene                                                                   | ND     |           | ug/l  | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene                                                       | ND     |           | ug/l  | 2.0 | 0.65 |
| 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<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 96        |           | 70-130                 |
| Toluene-d8            | 94        |           | 70-130                 |
| 4-Bromofluorobenzene  | 98        |           | 70-130                 |
| Dibromofluoromethane  | 99        |           | 70-130                 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/05/14 09:56  
 Analyst: BN

| Parameter                                                                                       | Result | Qualifier | Units | RL  | MDL  |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05-06,08,10-11 Batch: WG673996-3 |        |           |       |     |      |
| Methylene chloride                                                                              | ND     |           | ug/kg | 10  | 2.0  |
| 1,1-Dichloroethane                                                                              | ND     |           | ug/kg | 1.5 | 0.18 |
| Chloroform                                                                                      | ND     |           | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride                                                                            | ND     |           | ug/kg | 1.0 | 0.21 |
| 1,2-Dichloropropane                                                                             | ND     |           | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane                                                                            | ND     |           | ug/kg | 1.0 | 0.31 |
| 1,1,2-Trichloroethane                                                                           | ND     |           | ug/kg | 1.5 | 0.30 |
| Tetrachloroethene                                                                               | ND     |           | ug/kg | 1.0 | 0.14 |
| Chlorobenzene                                                                                   | ND     |           | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane                                                                          | ND     |           | ug/kg | 5.0 | 0.12 |
| 1,2-Dichloroethane                                                                              | ND     |           | ug/kg | 1.0 | 0.15 |
| 1,1,1-Trichloroethane                                                                           | ND     |           | ug/kg | 1.0 | 0.11 |
| Bromodichloromethane                                                                            | ND     |           | ug/kg | 1.0 | 0.23 |
| trans-1,3-Dichloropropene                                                                       | ND     |           | ug/kg | 1.0 | 0.12 |
| cis-1,3-Dichloropropene                                                                         | ND     |           | ug/kg | 1.0 | 0.13 |
| 1,1-Dichloropropene                                                                             | ND     |           | ug/kg | 5.0 | 0.46 |
| Bromoform                                                                                       | ND     |           | ug/kg | 4.0 | 0.41 |
| 1,1,2,2-Tetrachloroethane                                                                       | ND     |           | ug/kg | 1.0 | 0.17 |
| Benzene                                                                                         | ND     |           | ug/kg | 1.0 | 0.12 |
| Toluene                                                                                         | ND     |           | ug/kg | 1.5 | 0.11 |
| Ethylbenzene                                                                                    | ND     |           | ug/kg | 1.0 | 0.15 |
| Chloromethane                                                                                   | ND     |           | ug/kg | 5.0 | 0.78 |
| Bromomethane                                                                                    | ND     |           | ug/kg | 2.0 | 0.34 |
| Vinyl chloride                                                                                  | ND     |           | ug/kg | 2.0 | 0.14 |
| Chloroethane                                                                                    | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene                                                                              | ND     |           | ug/kg | 1.0 | 0.20 |
| trans-1,2-Dichloroethene                                                                        | ND     |           | ug/kg | 1.5 | 0.21 |
| Trichloroethene                                                                                 | ND     |           | ug/kg | 1.0 | 0.15 |
| 1,2-Dichlorobenzene                                                                             | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene                                                                             | ND     |           | ug/kg | 5.0 | 0.18 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/05/14 09:56  
 Analyst: BN

| Parameter                                                                                       | Result | Qualifier | Units | RL  | MDL  |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05-06,08,10-11 Batch: WG673996-3 |        |           |       |     |      |
| 1,4-Dichlorobenzene                                                                             | ND     |           | ug/kg | 5.0 | 0.24 |
| Methyl tert butyl ether                                                                         | ND     |           | ug/kg | 2.0 | 0.10 |
| p/m-Xylene                                                                                      | ND     |           | ug/kg | 2.0 | 0.32 |
| o-Xylene                                                                                        | ND     |           | ug/kg | 2.0 | 0.27 |
| cis-1,2-Dichloroethene                                                                          | ND     |           | ug/kg | 1.0 | 0.15 |
| Dibromomethane                                                                                  | ND     |           | ug/kg | 10  | 0.16 |
| Styrene                                                                                         | ND     |           | ug/kg | 2.0 | 0.31 |
| Dichlorodifluoromethane                                                                         | ND     |           | ug/kg | 10  | 0.22 |
| Acetone                                                                                         | ND     |           | ug/kg | 10  | 3.1  |
| Carbon disulfide                                                                                | ND     |           | ug/kg | 10  | 2.0  |
| 2-Butanone                                                                                      | ND     |           | ug/kg | 10  | 0.36 |
| Vinyl acetate                                                                                   | ND     |           | ug/kg | 10  | 0.48 |
| 4-Methyl-2-pentanone                                                                            | ND     |           | ug/kg | 10  | 0.24 |
| 1,2,3-Trichloropropane                                                                          | ND     |           | ug/kg | 10  | 0.22 |
| 2-Hexanone                                                                                      | ND     |           | ug/kg | 10  | 0.19 |
| Bromochloromethane                                                                              | ND     |           | ug/kg | 5.0 | 0.20 |
| 2,2-Dichloropropane                                                                             | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,2-Dibromoethane                                                                               | ND     |           | ug/kg | 4.0 | 0.18 |
| 1,3-Dichloropropane                                                                             | ND     |           | ug/kg | 5.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane                                                                       | ND     |           | ug/kg | 1.0 | 0.32 |
| Bromobenzene                                                                                    | ND     |           | ug/kg | 5.0 | 0.21 |
| n-Butylbenzene                                                                                  | ND     |           | ug/kg | 1.0 | 0.20 |
| sec-Butylbenzene                                                                                | ND     |           | ug/kg | 1.0 | 0.20 |
| tert-Butylbenzene                                                                               | ND     |           | ug/kg | 5.0 | 0.56 |
| o-Chlorotoluene                                                                                 | ND     |           | ug/kg | 5.0 | 0.16 |
| p-Chlorotoluene                                                                                 | ND     |           | ug/kg | 5.0 | 0.15 |
| 1,2-Dibromo-3-chloropropane                                                                     | ND     |           | ug/kg | 5.0 | 0.79 |
| Hexachlorobutadiene                                                                             | ND     |           | ug/kg | 5.0 | 0.42 |
| Isopropylbenzene                                                                                | ND     |           | ug/kg | 1.0 | 0.17 |
| p-Isopropyltoluene                                                                              | ND     |           | ug/kg | 1.0 | 0.19 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/05/14 09:56  
 Analyst: BN

| Parameter                                                                                       | Result | Qualifier | Units | RL  | MDL  |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05-06,08,10-11 Batch: WG673996-3 |        |           |       |     |      |
| Naphthalene                                                                                     | ND     |           | ug/kg | 5.0 | 0.77 |
| Acrylonitrile                                                                                   | ND     |           | ug/kg | 10  | 0.24 |
| Isopropyl Ether                                                                                 | ND     |           | ug/kg | 4.0 | 0.14 |
| tert-Butyl Alcohol                                                                              | ND     |           | ug/kg | 60  | 0.91 |
| n-Propylbenzene                                                                                 | ND     |           | ug/kg | 1.0 | 0.12 |
| 1,2,3-Trichlorobenzene                                                                          | ND     |           | ug/kg | 5.0 | 0.17 |
| 1,2,4-Trichlorobenzene                                                                          | ND     |           | ug/kg | 5.0 | 0.79 |
| 1,3,5-Trimethylbenzene                                                                          | ND     |           | ug/kg | 5.0 | 0.14 |
| 1,2,4-Trimethylbenzene                                                                          | ND     |           | ug/kg | 5.0 | 0.57 |
| Methyl Acetate                                                                                  | ND     |           | ug/kg | 20  | 0.76 |
| Ethyl Acetate                                                                                   | ND     |           | ug/kg | 20  | 0.82 |
| Acrolein                                                                                        | ND     |           | ug/kg | 25  | 9.2  |
| Cyclohexane                                                                                     | ND     |           | ug/kg | 20  | 1.1  |
| 1,4-Dioxane                                                                                     | ND     |           | ug/kg | 100 | 17.  |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                           | ND     |           | ug/kg | 20  | 0.27 |
| 1,4-Diethylbenzene                                                                              | ND     |           | ug/kg | 4.0 | 0.16 |
| 4-Ethyltoluene                                                                                  | ND     |           | ug/kg | 4.0 | 0.12 |
| 1,2,4,5-Tetramethylbenzene                                                                      | ND     |           | ug/kg | 4.0 | 0.13 |
| Tetrahydrofuran                                                                                 | ND     |           | ug/kg | 20  | 0.38 |
| Ethyl ether                                                                                     | ND     |           | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene                                                                     | ND     |           | ug/kg | 5.0 | 0.45 |
| Methyl cyclohexane                                                                              | ND     |           | ug/kg | 4.0 | 1.3  |
| Ethyl-Tert-Butyl-Ether                                                                          | ND     |           | ug/kg | 4.0 | 0.42 |
| Tertiary-Amyl Methyl Ether                                                                      | ND     |           | ug/kg | 4.0 | 0.58 |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C

Analytical Date: 03/05/14 09:56

Analyst: BN

| Parameter                                                                                       | Result | Qualifier | Units | RL | MDL |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05-06,08,10-11 Batch: WG673996-3 |        |           |       |    |     |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 100       |           | 70-130                 |
| Toluene-d8            | 103       |           | 70-130                 |
| 4-Bromofluorobenzene  | 101       |           | 70-130                 |
| Dibromofluoromethane  | 97        |           | 70-130                 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/06/14 10:34  
 Analyst: PD

| Parameter                                                                              | Result | Qualifier | Units | RL   | MDL  |
|----------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,07 Batch: WG674025-3 |        |           |       |      |      |
| 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  | 0.13 |
| 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 |
| 1,1-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 | 0.14 |
| 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  | 0.33 |
| Chloroethane                                                                           | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethene                                                                     | ND     |           | ug/l  | 0.50 | 0.14 |
| trans-1,2-Dichloroethene                                                               | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichloroethene                                                                        | ND     |           | ug/l  | 0.50 | 0.17 |
| 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 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 03/06/14 10:34

Analyst: PD

| Parameter                                                                              | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,07 Batch: WG674025-3 |        |           |       |     |      |
| 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 |
| cis-1,2-Dichloroethene                                                                 | 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 | 1.0  |
| Carbon disulfide                                                                       | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Butanone                                                                             | ND     |           | ug/l  | 5.0 | 1.0  |
| 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 |
| 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 |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/06/14 10:34  
 Analyst: PD

| Parameter                                                                              | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,07 Batch: WG674025-3 |        |           |       |     |      |
| 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 | 41.  |
| 1,4-Diethylbenzene                                                                     | ND     |           | ug/l  | 2.0 | 0.70 |
| 4-Ethyltoluene                                                                         | ND     |           | ug/l  | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene                                                             | ND     |           | ug/l  | 2.0 | 0.65 |
| 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<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 102       |           | 70-130                 |
| Toluene-d8            | 95        |           | 70-130                 |
| 4-Bromofluorobenzene  | 100       |           | 70-130                 |
| Dibromofluoromethane  | 103       |           | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG673750-1 WG673750-2 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                 | 101              |      | 97                |      | 70-130              | 4   |      | 20            |
| 1,1-Dichloroethane                                                                                 | 96               |      | 93                |      | 70-130              | 3   |      | 20            |
| Chloroform                                                                                         | 103              |      | 101               |      | 70-130              | 2   |      | 20            |
| Carbon tetrachloride                                                                               | 94               |      | 94                |      | 63-132              | 0   |      | 20            |
| 1,2-Dichloropropane                                                                                | 93               |      | 90                |      | 70-130              | 3   |      | 20            |
| Dibromochloromethane                                                                               | 101              |      | 97                |      | 63-130              | 4   |      | 20            |
| 1,1,2-Trichloroethane                                                                              | 96               |      | 92                |      | 70-130              | 4   |      | 20            |
| Tetrachloroethene                                                                                  | 106              |      | 104               |      | 70-130              | 2   |      | 20            |
| Chlorobenzene                                                                                      | 98               |      | 96                |      | 75-130              | 2   |      | 20            |
| Trichlorofluoromethane                                                                             | 112              |      | 107               |      | 62-150              | 5   |      | 20            |
| 1,2-Dichloroethane                                                                                 | 100              |      | 97                |      | 70-130              | 3   |      | 20            |
| 1,1,1-Trichloroethane                                                                              | 98               |      | 97                |      | 67-130              | 1   |      | 20            |
| Bromodichloromethane                                                                               | 102              |      | 100               |      | 67-130              | 2   |      | 20            |
| trans-1,3-Dichloropropene                                                                          | 82               |      | 80                |      | 70-130              | 2   |      | 20            |
| cis-1,3-Dichloropropene                                                                            | 88               |      | 88                |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloropropene                                                                                | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Bromoform                                                                                          | 90               |      | 84                |      | 54-136              | 7   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                          | 91               |      | 89                |      | 67-130              | 2   |      | 20            |
| Benzene                                                                                            | 97               |      | 96                |      | 70-130              | 1   |      | 20            |
| Toluene                                                                                            | 97               |      | 93                |      | 70-130              | 4   |      | 20            |
| Ethylbenzene                                                                                       | 99               |      | 96                |      | 70-130              | 3   |      | 20            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG673750-1 WG673750-2 |                  |      |                   |      |                     |     |      |               |
| Chloromethane                                                                                      | 75               |      | 71                |      | 64-130              | 5   |      | 20            |
| Bromomethane                                                                                       | 98               |      | 95                |      | 39-139              | 3   |      | 20            |
| Vinyl chloride                                                                                     | 93               |      | 90                |      | 55-140              | 3   |      | 20            |
| Chloroethane                                                                                       | 100              |      | 96                |      | 55-138              | 4   |      | 20            |
| 1,1-Dichloroethene                                                                                 | 105              |      | 100               |      | 61-145              | 5   |      | 20            |
| trans-1,2-Dichloroethene                                                                           | 104              |      | 97                |      | 70-130              | 7   |      | 20            |
| Trichloroethene                                                                                    | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2-Dichlorobenzene                                                                                | 99               |      | 97                |      | 70-130              | 2   |      | 20            |
| 1,3-Dichlorobenzene                                                                                | 100              |      | 96                |      | 70-130              | 4   |      | 20            |
| 1,4-Dichlorobenzene                                                                                | 99               |      | 96                |      | 70-130              | 3   |      | 20            |
| Methyl tert butyl ether                                                                            | 86               |      | 81                |      | 63-130              | 6   |      | 20            |
| p/m-Xylene                                                                                         | 98               |      | 95                |      | 70-130              | 3   |      | 20            |
| o-Xylene                                                                                           | 98               |      | 97                |      | 70-130              | 1   |      | 20            |
| cis-1,2-Dichloroethene                                                                             | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| Dibromomethane                                                                                     | 100              |      | 98                |      | 70-130              | 2   |      | 20            |
| 1,2,3-Trichloropropane                                                                             | 89               |      | 86                |      | 64-130              | 3   |      | 20            |
| Acrylonitrile                                                                                      | 88               |      | 80                |      | 70-130              | 10  |      | 20            |
| Styrene                                                                                            | 98               |      | 96                |      | 70-130              | 2   |      | 20            |
| Dichlorodifluoromethane                                                                            | 78               |      | 75                |      | 36-147              | 4   |      | 20            |
| Acetone                                                                                            | 81               |      | 82                |      | 58-148              | 1   |      | 20            |
| Carbon disulfide                                                                                   | 100              |      | 90                |      | 51-130              | 11  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG673750-1 WG673750-2 |                  |      |                   |      |                     |     |      |               |
| 2-Butanone                                                                                         | 62               | Q    | 62                | Q    | 63-138              | 0   |      | 20            |
| Vinyl acetate                                                                                      | 80               |      | 78                |      | 70-130              | 3   |      | 20            |
| 4-Methyl-2-pentanone                                                                               | 83               |      | 82                |      | 59-130              | 1   |      | 20            |
| 2-Hexanone                                                                                         | 78               |      | 74                |      | 57-130              | 5   |      | 20            |
| Bromochloromethane                                                                                 | 103              |      | 106               |      | 70-130              | 3   |      | 20            |
| 2,2-Dichloropropane                                                                                | 80               |      | 81                |      | 63-133              | 1   |      | 20            |
| 1,2-Dibromoethane                                                                                  | 96               |      | 91                |      | 70-130              | 5   |      | 20            |
| 1,3-Dichloropropane                                                                                | 92               |      | 92                |      | 70-130              | 0   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                          | 93               |      | 92                |      | 64-130              | 1   |      | 20            |
| Bromobenzene                                                                                       | 98               |      | 97                |      | 70-130              | 1   |      | 20            |
| n-Butylbenzene                                                                                     | 104              |      | 96                |      | 53-136              | 8   |      | 20            |
| sec-Butylbenzene                                                                                   | 103              |      | 98                |      | 70-130              | 5   |      | 20            |
| tert-Butylbenzene                                                                                  | 104              |      | 100               |      | 70-130              | 4   |      | 20            |
| o-Chlorotoluene                                                                                    | 98               |      | 95                |      | 70-130              | 3   |      | 20            |
| p-Chlorotoluene                                                                                    | 98               |      | 94                |      | 70-130              | 4   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                        | 82               |      | 77                |      | 41-144              | 6   |      | 20            |
| Hexachlorobutadiene                                                                                | 117              |      | 105               |      | 63-130              | 11  |      | 20            |
| Isopropylbenzene                                                                                   | 103              |      | 99                |      | 70-130              | 4   |      | 20            |
| p-Isopropyltoluene                                                                                 | 104              |      | 100               |      | 70-130              | 4   |      | 20            |
| Naphthalene                                                                                        | 88               |      | 85                |      | 70-130              | 3   |      | 20            |
| n-Propylbenzene                                                                                    | 98               |      | 94                |      | 69-130              | 4   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG673750-1 WG673750-2 |                  |      |                   |      |                     |     |      |               |
| 1,2,3-Trichlorobenzene                                                                             | 97               |      | 97                |      | 70-130              | 0   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                             | 101              |      | 94                |      | 70-130              | 7   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                             | 100              |      | 97                |      | 64-130              | 3   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                             | 99               |      | 95                |      | 70-130              | 4   |      | 20            |
| 1,4-Dioxane                                                                                        | 92               |      | 90                |      | 56-162              | 2   |      | 20            |
| 1,4-Diethylbenzene                                                                                 | 99               |      | 93                |      | 70-130              | 6   |      | 20            |
| 4-Ethyltoluene                                                                                     | 100              |      | 98                |      | 70-130              | 2   |      | 20            |
| 1,2,4,5-Tetramethylbenzene                                                                         | 103              |      | 98                |      | 70-130              | 5   |      | 20            |
| Ethyl ether                                                                                        | 100              |      | 93                |      | 59-134              | 7   |      | 20            |
| trans-1,4-Dichloro-2-butene                                                                        | 78               |      | 73                |      | 70-130              | 7   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 99               |      | 96                |      | 70-130                 |
| Toluene-d8            | 95               |      | 94                |      | 70-130                 |
| 4-Bromofluorobenzene  | 95               |      | 96                |      | 70-130                 |
| Dibromofluoromethane  | 103              |      | 103               |      | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06,08,10-11 Batch: WG673996-1 WG673996-2 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                                | 85               |      | 85                |      | 70-130              | 0   |      | 30            |
| 1,1-Dichloroethane                                                                                                | 96               |      | 93                |      | 70-130              | 3   |      | 30            |
| Chloroform                                                                                                        | 98               |      | 95                |      | 70-130              | 3   |      | 30            |
| Carbon tetrachloride                                                                                              | 101              |      | 97                |      | 70-130              | 4   |      | 30            |
| 1,2-Dichloropropane                                                                                               | 93               |      | 91                |      | 70-130              | 2   |      | 30            |
| Dibromochloromethane                                                                                              | 101              |      | 101               |      | 70-130              | 0   |      | 30            |
| 1,1,2-Trichloroethane                                                                                             | 95               |      | 94                |      | 70-130              | 1   |      | 30            |
| Tetrachloroethene                                                                                                 | 107              |      | 102               |      | 70-130              | 5   |      | 30            |
| Chlorobenzene                                                                                                     | 101              |      | 98                |      | 70-130              | 3   |      | 30            |
| Trichlorofluoromethane                                                                                            | 104              |      | 99                |      | 70-139              | 5   |      | 30            |
| 1,2-Dichloroethane                                                                                                | 98               |      | 98                |      | 70-130              | 0   |      | 30            |
| 1,1,1-Trichloroethane                                                                                             | 101              |      | 97                |      | 70-130              | 4   |      | 30            |
| Bromodichloromethane                                                                                              | 97               |      | 96                |      | 70-130              | 1   |      | 30            |
| trans-1,3-Dichloropropene                                                                                         | 96               |      | 94                |      | 70-130              | 2   |      | 30            |
| cis-1,3-Dichloropropene                                                                                           | 88               |      | 88                |      | 70-130              | 0   |      | 30            |
| 1,1-Dichloropropene                                                                                               | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| Bromoform                                                                                                         | 98               |      | 98                |      | 70-130              | 0   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                         | 89               |      | 88                |      | 70-130              | 1   |      | 30            |
| Benzene                                                                                                           | 87               |      | 84                |      | 70-130              | 4   |      | 30            |
| Toluene                                                                                                           | 94               |      | 91                |      | 70-130              | 3   |      | 30            |
| Ethylbenzene                                                                                                      | 97               |      | 93                |      | 70-130              | 4   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06,08,10-11 Batch: WG673996-1 WG673996-2 |                  |      |                   |      |                     |     |      |               |
| Chloromethane                                                                                                     | 97               |      | 92                |      | 52-130              | 5   |      | 30            |
| Bromomethane                                                                                                      | 100              |      | 91                |      | 57-147              | 9   |      | 30            |
| Vinyl chloride                                                                                                    | 98               |      | 91                |      | 67-130              | 7   |      | 30            |
| Chloroethane                                                                                                      | 100              |      | 95                |      | 50-151              | 5   |      | 30            |
| 1,1-Dichloroethene                                                                                                | 95               |      | 92                |      | 65-135              | 3   |      | 30            |
| trans-1,2-Dichloroethene                                                                                          | 95               |      | 94                |      | 70-130              | 1   |      | 30            |
| Trichloroethene                                                                                                   | 98               |      | 94                |      | 70-130              | 4   |      | 30            |
| 1,2-Dichlorobenzene                                                                                               | 101              |      | 97                |      | 70-130              | 4   |      | 30            |
| 1,3-Dichlorobenzene                                                                                               | 103              |      | 98                |      | 70-130              | 5   |      | 30            |
| 1,4-Dichlorobenzene                                                                                               | 103              |      | 98                |      | 70-130              | 5   |      | 30            |
| Methyl tert butyl ether                                                                                           | 85               |      | 85                |      | 66-130              | 0   |      | 30            |
| p/m-Xylene                                                                                                        | 101              |      | 96                |      | 70-130              | 5   |      | 30            |
| o-Xylene                                                                                                          | 100              |      | 97                |      | 70-130              | 3   |      | 30            |
| cis-1,2-Dichloroethene                                                                                            | 95               |      | 92                |      | 70-130              | 3   |      | 30            |
| Dibromomethane                                                                                                    | 87               |      | 87                |      | 70-130              | 0   |      | 30            |
| Styrene                                                                                                           | 98               |      | 95                |      | 70-130              | 3   |      | 30            |
| Dichlorodifluoromethane                                                                                           | 80               |      | 74                |      | 30-146              | 8   |      | 30            |
| Acetone                                                                                                           | 94               |      | 97                |      | 54-140              | 3   |      | 30            |
| Carbon disulfide                                                                                                  | 83               |      | 80                |      | 59-130              | 4   |      | 30            |
| 2-Butanone                                                                                                        | 90               |      | 92                |      | 70-130              | 2   |      | 30            |
| Vinyl acetate                                                                                                     | 94               |      | 94                |      | 70-130              | 0   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06,08,10-11 Batch: WG673996-1 WG673996-2 |                  |      |                   |      |                     |     |      |               |
| 4-Methyl-2-pentanone                                                                                              | 88               |      | 91                |      | 70-130              | 3   |      | 30            |
| 1,2,3-Trichloropropane                                                                                            | 86               |      | 84                |      | 68-130              | 2   |      | 30            |
| 2-Hexanone                                                                                                        | 94               |      | 92                |      | 70-130              | 2   |      | 30            |
| Bromochloromethane                                                                                                | 94               |      | 94                |      | 70-130              | 0   |      | 30            |
| 2,2-Dichloropropane                                                                                               | 98               |      | 93                |      | 70-130              | 5   |      | 30            |
| 1,2-Dibromoethane                                                                                                 | 98               |      | 99                |      | 70-130              | 1   |      | 30            |
| 1,3-Dichloropropane                                                                                               | 90               |      | 89                |      | 69-130              | 1   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                                         | 106              |      | 103               |      | 70-130              | 3   |      | 30            |
| Bromobenzene                                                                                                      | 99               |      | 96                |      | 70-130              | 3   |      | 30            |
| n-Butylbenzene                                                                                                    | 100              |      | 95                |      | 70-130              | 5   |      | 30            |
| sec-Butylbenzene                                                                                                  | 98               |      | 93                |      | 70-130              | 5   |      | 30            |
| tert-Butylbenzene                                                                                                 | 102              |      | 97                |      | 70-130              | 5   |      | 30            |
| o-Chlorotoluene                                                                                                   | 96               |      | 92                |      | 70-130              | 4   |      | 30            |
| p-Chlorotoluene                                                                                                   | 98               |      | 95                |      | 70-130              | 3   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                       | 93               |      | 86                |      | 68-130              | 8   |      | 30            |
| Hexachlorobutadiene                                                                                               | 110              |      | 104               |      | 67-130              | 6   |      | 30            |
| Isopropylbenzene                                                                                                  | 98               |      | 95                |      | 70-130              | 3   |      | 30            |
| p-Isopropyltoluene                                                                                                | 105              |      | 99                |      | 70-130              | 6   |      | 30            |
| Naphthalene                                                                                                       | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| Acrylonitrile                                                                                                     | 94               |      | 95                |      | 70-130              | 1   |      | 30            |
| Isopropyl Ether                                                                                                   | 100              |      | 98                |      | 66-130              | 2   |      | 30            |



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06,08,10-11 Batch: WG673996-1 WG673996-2 |                  |      |                   |      |                     |     |      |               |
| tert-Butyl Alcohol                                                                                                | 88               |      | 89                |      | 70-130              | 1   |      | 30            |
| n-Propylbenzene                                                                                                   | 96               |      | 92                |      | 70-130              | 4   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                            | 98               |      | 96                |      | 70-130              | 2   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                            | 103              |      | 98                |      | 70-130              | 5   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                            | 98               |      | 94                |      | 70-130              | 4   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                            | 99               |      | 94                |      | 70-130              | 5   |      | 30            |
| Methyl Acetate                                                                                                    | 85               |      | 89                |      | 51-146              | 5   |      | 30            |
| Ethyl Acetate                                                                                                     | 92               |      | 90                |      | 70-130              | 2   |      | 30            |
| Acrolein                                                                                                          | 92               |      | 88                |      | 70-130              | 4   |      | 30            |
| Cyclohexane                                                                                                       | 105              |      | 100               |      | 59-142              | 5   |      | 30            |
| 1,4-Dioxane                                                                                                       | 86               |      | 88                |      | 65-136              | 2   |      | 30            |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                                             | 97               |      | 92                |      | 50-139              | 5   |      | 30            |
| 1,4-Diethylbenzene                                                                                                | 103              |      | 100               |      | 70-130              | 3   |      | 30            |
| 4-Ethyltoluene                                                                                                    | 96               |      | 93                |      | 70-130              | 3   |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                                        | 102              |      | 98                |      | 70-130              | 4   |      | 30            |
| Tetrahydrofuran                                                                                                   | 90               |      | 90                |      | 66-130              | 0   |      | 30            |
| Ethyl ether                                                                                                       | 86               |      | 85                |      | 67-130              | 1   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                                       | 100              |      | 98                |      | 70-130              | 2   |      | 30            |
| Methyl cyclohexane                                                                                                | 95               |      | 91                |      | 70-130              | 4   |      | 30            |
| Ethyl-Tert-Butyl-Ether                                                                                            | 100              |      | 98                |      | 70-130              | 2   |      | 30            |
| Tertiary-Amyl Methyl Ether                                                                                        | 88               |      | 87                |      | 70-130              | 1   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Lab Number:** L1404475

**Project Number:** 470K

**Report Date:** 03/11/14

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06,08,10-11 Batch: WG673996-1 WG673996-2

| <b>Surrogate</b>      | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 100                      |             | 103                       |             | 70-130                         |
| Toluene-d8            | 102                      |             | 102                       |             | 70-130                         |
| 4-Bromofluorobenzene  | 103                      |             | 102                       |             | 70-130                         |
| Dibromofluoromethane  | 103                      |             | 104                       |             | 70-130                         |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,07 Batch: WG674025-1 WG674025-2 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                       | 115              |      | 90                |      | 70-130              | 24  | Q    | 20            |
| 1,1-Dichloroethane                                                                                       | 110              |      | 85                |      | 70-130              | 26  | Q    | 20            |
| Chloroform                                                                                               | 116              |      | 94                |      | 70-130              | 21  | Q    | 20            |
| Carbon tetrachloride                                                                                     | 108              |      | 85                |      | 63-132              | 24  | Q    | 20            |
| 1,2-Dichloropropane                                                                                      | 104              |      | 83                |      | 70-130              | 22  | Q    | 20            |
| Dibromochloromethane                                                                                     | 116              |      | 91                |      | 63-130              | 24  | Q    | 20            |
| 1,1,2-Trichloroethane                                                                                    | 108              |      | 83                |      | 70-130              | 26  | Q    | 20            |
| Tetrachloroethene                                                                                        | 118              |      | 94                |      | 70-130              | 23  | Q    | 20            |
| Chlorobenzene                                                                                            | 112              |      | 90                |      | 75-130              | 22  | Q    | 20            |
| Trichlorofluoromethane                                                                                   | 120              |      | 93                |      | 62-150              | 25  | Q    | 20            |
| 1,2-Dichloroethane                                                                                       | 115              |      | 92                |      | 70-130              | 22  | Q    | 20            |
| 1,1,1-Trichloroethane                                                                                    | 111              |      | 86                |      | 67-130              | 25  | Q    | 20            |
| Bromodichloromethane                                                                                     | 117              |      | 94                |      | 67-130              | 22  | Q    | 20            |
| trans-1,3-Dichloropropene                                                                                | 96               |      | 74                |      | 70-130              | 26  | Q    | 20            |
| cis-1,3-Dichloropropene                                                                                  | 103              |      | 82                |      | 70-130              | 23  | Q    | 20            |
| 1,1-Dichloropropene                                                                                      | 112              |      | 88                |      | 70-130              | 24  | Q    | 20            |
| Bromoform                                                                                                | 110              |      | 85                |      | 54-136              | 26  | Q    | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                | 106              |      | 83                |      | 67-130              | 24  | Q    | 20            |
| Benzene                                                                                                  | 110              |      | 87                |      | 70-130              | 23  | Q    | 20            |
| Toluene                                                                                                  | 109              |      | 87                |      | 70-130              | 22  | Q    | 20            |
| Ethylbenzene                                                                                             | 112              |      | 90                |      | 70-130              | 22  | Q    | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,07 Batch: WG674025-1 WG674025-2 |                  |      |                   |      |                     |     |      |               |
| Chloromethane                                                                                            | 77               |      | 71                |      | 64-130              | 8   |      | 20            |
| Bromomethane                                                                                             | 110              |      | 90                |      | 39-139              | 20  |      | 20            |
| Vinyl chloride                                                                                           | 98               |      | 81                |      | 55-140              | 19  |      | 20            |
| Chloroethane                                                                                             | 105              |      | 87                |      | 55-138              | 19  |      | 20            |
| 1,1-Dichloroethene                                                                                       | 108              |      | 91                |      | 61-145              | 17  |      | 20            |
| trans-1,2-Dichloroethene                                                                                 | 114              |      | 91                |      | 70-130              | 22  | Q    | 20            |
| Trichloroethene                                                                                          | 114              |      | 92                |      | 70-130              | 21  | Q    | 20            |
| 1,2-Dichlorobenzene                                                                                      | 111              |      | 89                |      | 70-130              | 22  | Q    | 20            |
| 1,3-Dichlorobenzene                                                                                      | 114              |      | 92                |      | 70-130              | 21  | Q    | 20            |
| 1,4-Dichlorobenzene                                                                                      | 113              |      | 90                |      | 70-130              | 23  | Q    | 20            |
| Methyl tert butyl ether                                                                                  | 94               |      | 73                |      | 63-130              | 25  | Q    | 20            |
| p/m-Xylene                                                                                               | 111              |      | 90                |      | 70-130              | 21  | Q    | 20            |
| o-Xylene                                                                                                 | 112              |      | 90                |      | 70-130              | 22  | Q    | 20            |
| cis-1,2-Dichloroethene                                                                                   | 112              |      | 89                |      | 70-130              | 23  | Q    | 20            |
| Dibromomethane                                                                                           | 120              |      | 90                |      | 70-130              | 29  | Q    | 20            |
| 1,2,3-Trichloropropane                                                                                   | 106              |      | 84                |      | 64-130              | 23  | Q    | 20            |
| Acrylonitrile                                                                                            | 98               |      | 80                |      | 70-130              | 20  |      | 20            |
| Styrene                                                                                                  | 111              |      | 88                |      | 70-130              | 23  | Q    | 20            |
| Dichlorodifluoromethane                                                                                  | 80               |      | 63                |      | 36-147              | 24  | Q    | 20            |
| Acetone                                                                                                  | 101              |      | 70                |      | 58-148              | 36  | Q    | 20            |
| Carbon disulfide                                                                                         | 107              |      | 82                |      | 51-130              | 26  | Q    | 20            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,07 Batch: WG674025-1 WG674025-2 |                  |      |                   |      |                     |     |      |               |
| 2-Butanone                                                                                               | 74               |      | 54                | Q    | 63-138              | 31  | Q    | 20            |
| Vinyl acetate                                                                                            | 88               |      | 71                |      | 70-130              | 21  | Q    | 20            |
| 4-Methyl-2-pentanone                                                                                     | 94               |      | 77                |      | 59-130              | 20  |      | 20            |
| 2-Hexanone                                                                                               | 88               |      | 67                |      | 57-130              | 27  | Q    | 20            |
| Bromochloromethane                                                                                       | 115              |      | 97                |      | 70-130              | 17  |      | 20            |
| 2,2-Dichloropropane                                                                                      | 93               |      | 71                |      | 63-133              | 27  | Q    | 20            |
| 1,2-Dibromoethane                                                                                        | 110              |      | 86                |      | 70-130              | 24  | Q    | 20            |
| 1,3-Dichloropropane                                                                                      | 106              |      | 83                |      | 70-130              | 24  | Q    | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                | 109              |      | 86                |      | 64-130              | 24  | Q    | 20            |
| Bromobenzene                                                                                             | 116              |      | 95                |      | 70-130              | 20  |      | 20            |
| n-Butylbenzene                                                                                           | 115              |      | 87                |      | 53-136              | 28  | Q    | 20            |
| sec-Butylbenzene                                                                                         | 117              |      | 90                |      | 70-130              | 26  | Q    | 20            |
| tert-Butylbenzene                                                                                        | 117              |      | 93                |      | 70-130              | 23  | Q    | 20            |
| o-Chlorotoluene                                                                                          | 114              |      | 90                |      | 70-130              | 24  | Q    | 20            |
| p-Chlorotoluene                                                                                          | 113              |      | 90                |      | 70-130              | 23  | Q    | 20            |
| 1,2-Dibromo-3-chloropropane                                                                              | 98               |      | 74                |      | 41-144              | 28  | Q    | 20            |
| Hexachlorobutadiene                                                                                      | 127              |      | 95                |      | 63-130              | 29  | Q    | 20            |
| Isopropylbenzene                                                                                         | 114              |      | 91                |      | 70-130              | 22  | Q    | 20            |
| p-Isopropyltoluene                                                                                       | 118              |      | 91                |      | 70-130              | 26  | Q    | 20            |
| Naphthalene                                                                                              | 99               |      | 78                |      | 70-130              | 24  | Q    | 20            |
| n-Propylbenzene                                                                                          | 112              |      | 90                |      | 69-130              | 22  | Q    | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,07 Batch: WG674025-1 WG674025-2 |                  |      |                   |      |                     |     |      |               |
| 1,2,3-Trichlorobenzene                                                                                   | 112              |      | 87                |      | 70-130              | 25  | Q    | 20            |
| 1,2,4-Trichlorobenzene                                                                                   | 111              |      | 86                |      | 70-130              | 25  | Q    | 20            |
| 1,3,5-Trimethylbenzene                                                                                   | 112              |      | 89                |      | 64-130              | 23  | Q    | 20            |
| 1,2,4-Trimethylbenzene                                                                                   | 113              |      | 88                |      | 70-130              | 25  | Q    | 20            |
| 1,4-Dioxane                                                                                              | 110              |      | 74                |      | 56-162              | 39  | Q    | 20            |
| 1,4-Diethylbenzene                                                                                       | 112              |      | 84                |      | 70-130              | 29  | Q    | 20            |
| 4-Ethyltoluene                                                                                           | 116              |      | 91                |      | 70-130              | 24  | Q    | 20            |
| 1,2,4,5-Tetramethylbenzene                                                                               | 114              |      | 89                |      | 70-130              | 25  | Q    | 20            |
| Ethyl ether                                                                                              | 111              |      | 85                |      | 59-134              | 27  | Q    | 20            |
| trans-1,4-Dichloro-2-butene                                                                              | 93               |      | 70                |      | 70-130              | 28  | Q    | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 97               |      | 97                |      | 70-130                 |
| Toluene-d8            | 93               |      | 93                |      | 70-130                 |
| 4-Bromofluorobenzene  | 98               |      | 99                |      | 70-130                 |
| Dibromofluoromethane  | 104              |      | 101               |      | 70-130                 |

# SEMIVOLATILES

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-01  
**Client ID:** SB3 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 15:44  
**Analyst:** PS  
**Percent Solids:** 74%

**Date Collected:** 03/02/14 15:15  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:20

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 180 | 46. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 220 | 73. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 130 | 41. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 200 | 62. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 220 | 72. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 220 | 73. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 220 | 70. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 220 | 68. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 220 | 59. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 220 | 48. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 220 | 57. | 1               |
| Fluoranthene                                     | 58     | J         | ug/kg | 130 | 41. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 220 | 68. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 220 | 51. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 270 | 78. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 240 | 67. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 220 | 63. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 640 | 140 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 180 | 40. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 200 | 59. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 220 | 74. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 200 | 53. | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/kg | 180 | 47. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 220 | 66. | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/kg | 220 | 58. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 220 | 43. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 220 | 43. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 220 | 55. | 1               |
| Diethyl phthalate                                | ND     |           | ug/kg | 220 | 47. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 220 | 56. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 130 | 44. | 1               |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-01  
 Client ID: SB3 (8-10)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 15:15  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 180  | 54. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 130  | 45. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 130  | 42. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 130  | 44. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 180  | 42. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 130  | 37. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 180  | 46. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 220  | 64. | 1               |
| Phenanthrene                                     | 72     | J         | ug/kg | 130  | 44. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 130  | 43. | 1               |
| Indeno(1,2,3-cd)Pyrene                           | ND     |           | ug/kg | 180  | 49. | 1               |
| Pyrene                                           | 43     | J         | ug/kg | 130  | 43. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 510  | 73. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 220  | 59. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 220  | 63. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 220  | 61. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 220  | 60. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 220  | 74. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 270  | 71. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 220  | 69. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 220  | 69. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 130  | 42. | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/kg | 220  | 64. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 220  | 67. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 200  | 72. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 220  | 66. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 480  | 69. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 310  | 72. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 1100 | 300 | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 580  | 81. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 180  | 48. | 1               |
| Phenol                                           | ND     |           | ug/kg | 220  | 66. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 220  | 72. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 320  | 73. | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 220  | 72. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 720  | 220 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 220  | 68. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 220  | 48. | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-01  
 Client ID: SB3 (8-10)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 15:15  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 44         |           | 25-120              |
| Phenol-d6            | 44         |           | 10-120              |
| Nitrobenzene-d5      | 56         |           | 23-120              |
| 2-Fluorobiphenyl     | 50         |           | 30-120              |
| 2,4,6-Tribromophenol | 49         |           | 0-136               |
| 4-Terphenyl-d14      | 48         |           | 18-120              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-02  
**Client ID:** TMW3  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 14:23  
**Analyst:** RC

**Date Collected:** 03/02/14 16:10  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:44

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.21 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.41 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.30 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.32 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.89 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.36 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.60 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 0.58 | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.79 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/l  | 2.0 | 0.34 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.93 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.39 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.33 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.24 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.96 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.67 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.83 | 1               |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.22 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.36 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.43 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-02  
 Client ID: TMW3  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 16:10  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.78 | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.58 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.56 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 0.58 | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.0  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.1  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 1.4  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 1.4  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 0.27 | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.75 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 1.0  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.68 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.37 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 38         |           | 21-120              |
| Phenol-d6            | 26         |           | 10-120              |
| Nitrobenzene-d5      | 58         |           | 23-120              |
| 2-Fluorobiphenyl     | 53         |           | 15-120              |
| 2,4,6-Tribromophenol | 60         |           | 10-120              |
| 4-Terphenyl-d14      | 64         |           | 41-149              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-02  
**Client ID:** TMW3  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 03/06/14 12:48  
**Analyst:** MW

**Date Collected:** 03/02/14 16:10  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:46

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluoranthene                                         | ND     |           | ug/l  | 0.20 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.07 | 1               |
| Naphthalene                                          | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Chrysene                                             | ND     |           | ug/l  | 0.20 | 0.05 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.20 | 0.05 | 1               |
| Anthracene                                           | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluorene                                             | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Phenanthrene                                         | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Indeno(1,2,3-cd)Pyrene                               | ND     |           | ug/l  | 0.20 | 0.08 | 1               |
| Pyrene                                               | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.19 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.07 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 40         |           | 21-120              |
| Phenol-d6            | 28         |           | 10-120              |
| Nitrobenzene-d5      | 62         |           | 23-120              |
| 2-Fluorobiphenyl     | 71         |           | 15-120              |
| 2,4,6-Tribromophenol | 75         |           | 10-120              |
| 4-Terphenyl-d14      | 82         |           | 41-149              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-03      D  
**Client ID:** SB5 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 16:11  
**Analyst:** PS  
**Percent Solids:** 80%

**Date Collected:** 03/02/14 16:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:20

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                     | 280    | J         | ug/kg | 830  | 210 | 5               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 1000 | 340 | 5               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 620  | 190 | 5               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 930  | 290 | 5               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 1000 | 340 | 5               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 1000 | 340 | 5               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 1000 | 330 | 5               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 1000 | 310 | 5               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 1000 | 280 | 5               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 1000 | 220 | 5               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 1000 | 260 | 5               |
| Fluoranthene                                     | 5900   |           | ug/kg | 620  | 190 | 5               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 1000 | 320 | 5               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 1000 | 240 | 5               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 1200 | 360 | 5               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 1100 | 310 | 5               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 1000 | 290 | 5               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 3000 | 660 | 5               |
| Hexachloroethane                                 | ND     |           | ug/kg | 830  | 190 | 5               |
| Isophorone                                       | ND     |           | ug/kg | 930  | 280 | 5               |
| Naphthalene                                      | 1200   |           | ug/kg | 1000 | 340 | 5               |
| Nitrobenzene                                     | ND     |           | ug/kg | 930  | 250 | 5               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/kg | 830  | 220 | 5               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 1000 | 310 | 5               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/kg | 1000 | 270 | 5               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 1000 | 200 | 5               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 1000 | 200 | 5               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 1000 | 250 | 5               |
| Diethyl phthalate                                | ND     |           | ug/kg | 1000 | 220 | 5               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 1000 | 260 | 5               |
| Benzo(a)anthracene                               | 5000   |           | ug/kg | 620  | 200 | 5               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-03 D

Date Collected: 03/02/14 16:25

Client ID: SB5 (8-10)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Benzo(a)pyrene                                   | 8700   |           | ug/kg | 830  | 250  | 5               |
| Benzo(b)fluoranthene                             | 9800   |           | ug/kg | 620  | 210  | 5               |
| Benzo(k)fluoranthene                             | 3400   |           | ug/kg | 620  | 200  | 5               |
| Chrysene                                         | 5000   |           | ug/kg | 620  | 200  | 5               |
| Acenaphthylene                                   | ND     |           | ug/kg | 830  | 190  | 5               |
| Anthracene                                       | 1100   |           | ug/kg | 620  | 170  | 5               |
| Benzo(ghi)perylene                               | 7000   |           | ug/kg | 830  | 220  | 5               |
| Fluorene                                         | ND     |           | ug/kg | 1000 | 300  | 5               |
| Phenanthrene                                     | 3700   |           | ug/kg | 620  | 200  | 5               |
| Dibenzo(a,h)anthracene                           | 1700   |           | ug/kg | 620  | 200  | 5               |
| Indeno(1,2,3-cd)Pyrene                           | 7700   |           | ug/kg | 830  | 230  | 5               |
| Pyrene                                           | 5000   |           | ug/kg | 620  | 200  | 5               |
| Biphenyl                                         | ND     |           | ug/kg | 2400 | 340  | 5               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 1000 | 270  | 5               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 1000 | 290  | 5               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 1000 | 280  | 5               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 1000 | 280  | 5               |
| Dibenzofuran                                     | ND     |           | ug/kg | 1000 | 340  | 5               |
| 2-Methylnaphthalene                              | 360    | J         | ug/kg | 1200 | 330  | 5               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 1000 | 320  | 5               |
| Acetophenone                                     | ND     |           | ug/kg | 1000 | 320  | 5               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 620  | 200  | 5               |
| P-Chloro-M-Cresol                                | ND     |           | ug/kg | 1000 | 300  | 5               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 1000 | 310  | 5               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 930  | 340  | 5               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 1000 | 310  | 5               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 2200 | 320  | 5               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 1400 | 340  | 5               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 5000 | 1400 | 5               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 2700 | 380  | 5               |
| Pentachlorophenol                                | ND     |           | ug/kg | 830  | 220  | 5               |
| Phenol                                           | ND     |           | ug/kg | 1000 | 310  | 5               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 1000 | 330  | 5               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 1500 | 340  | 5               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 1000 | 340  | 5               |
| Benzoic Acid                                     | ND     |           | ug/kg | 3400 | 1000 | 5               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 1000 | 320  | 5               |
| Carbazole                                        | 580    | J         | ug/kg | 1000 | 220  | 5               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-03 D

Date Collected: 03/02/14 16:25

Client ID: SB5 (8-10)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 13         | Q         | 25-120              |
| Phenol-d6            | 44         |           | 10-120              |
| Nitrobenzene-d5      | 62         |           | 23-120              |
| 2-Fluorobiphenyl     | 60         |           | 30-120              |
| 2,4,6-Tribromophenol | 2          |           | 0-136               |
| 4-Terphenyl-d14      | 63         |           | 18-120              |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-04  
**Client ID:** TMW5  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 14:50  
**Analyst:** RC

**Date Collected:** 03/02/14 17:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:44

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.21 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.41 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.30 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.32 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.89 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.36 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.60 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 0.58 | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.79 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/l  | 2.0 | 0.34 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.93 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.39 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.33 | 1               |
| Biphenyl                                         | 2.1    |           | ug/l  | 2.0 | 0.24 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.96 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.67 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.83 | 1               |
| Dibenzofuran                                     | 4.4    |           | ug/l  | 2.0 | 0.22 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.36 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.43 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-04  
 Client ID: TMW5  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 17:25  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.78 | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.58 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.56 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 0.58 | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.0  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.1  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 1.4  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 1.4  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 0.27 | 1               |
| 2-Methylphenol                                   | 3.1    | J         | ug/l  | 5.0 | 0.70 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.75 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 1.0  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.68 | 1               |
| Carbazole                                        | 6.9    |           | ug/l  | 2.0 | 0.37 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 44         |           | 21-120              |
| Phenol-d6            | 29         |           | 10-120              |
| Nitrobenzene-d5      | 66         |           | 23-120              |
| 2-Fluorobiphenyl     | 61         |           | 15-120              |
| 2,4,6-Tribromophenol | 76         |           | 10-120              |
| 4-Terphenyl-d14      | 78         |           | 41-149              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-04 D2  
Client ID: TMW5  
Sample Location: BROOKLYN, NY  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/07/14 13:17  
Analyst: MW

Date Collected: 03/02/14 17:25  
Date Received: 03/04/14  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 03/05/14 07:46

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Semivolatile Organics by GC/MS-SIM - Westborough Lab**

|             |     |  |      |     |     |    |
|-------------|-----|--|------|-----|-----|----|
| Naphthalene | 340 |  | ug/l | 4.0 | 1.3 | 20 |
|-------------|-----|--|------|-----|-----|----|

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-04      D  
**Client ID:** TMW5  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 03/06/14 14:02  
**Analyst:** MW

**Date Collected:** 03/02/14 17:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:46

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 1.1    |           | ug/l  | 0.40 | 0.13 | 2               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.40 | 0.13 | 2               |
| Fluoranthene                                         | 2.4    |           | ug/l  | 0.40 | 0.09 | 2               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 1.0  | 0.14 | 2               |
| Naphthalene                                          | 100    | E         | ug/l  | 0.40 | 0.13 | 2               |
| Benzo(a)anthracene                                   | 0.78   |           | ug/l  | 0.40 | 0.11 | 2               |
| Benzo(a)pyrene                                       | 0.68   |           | ug/l  | 0.40 | 0.14 | 2               |
| Benzo(b)fluoranthene                                 | 0.77   |           | ug/l  | 0.40 | 0.14 | 2               |
| Benzo(k)fluoranthene                                 | 0.39   | J         | ug/l  | 0.40 | 0.14 | 2               |
| Chrysene                                             | 0.66   |           | ug/l  | 0.40 | 0.10 | 2               |
| Acenaphthylene                                       | 1.8    |           | ug/l  | 0.40 | 0.10 | 2               |
| Anthracene                                           | 1.9    |           | ug/l  | 0.40 | 0.13 | 2               |
| Benzo(ghi)perylene                                   | 0.52   |           | ug/l  | 0.40 | 0.14 | 2               |
| Fluorene                                             | 2.6    |           | ug/l  | 0.40 | 0.11 | 2               |
| Phenanthrene                                         | 7.0    |           | ug/l  | 0.40 | 0.13 | 2               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.40 | 0.15 | 2               |
| Indeno(1,2,3-cd)Pyrene                               | 0.43   |           | ug/l  | 0.40 | 0.16 | 2               |
| Pyrene                                               | 1.8    |           | ug/l  | 0.40 | 0.11 | 2               |
| 2-Methylnaphthalene                                  | 12     |           | ug/l  | 0.40 | 0.12 | 2               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 1.6  | 0.37 | 2               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 1.6  | 0.03 | 2               |
| Hexachloroethane                                     | ND     |           | ug/l  | 1.6  | 0.13 | 2               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 45         |           | 21-120              |
| Phenol-d6            | 31         |           | 10-120              |
| Nitrobenzene-d5      | 72         |           | 23-120              |
| 2-Fluorobiphenyl     | 76         |           | 15-120              |
| 2,4,6-Tribromophenol | 83         |           | 10-120              |
| 4-Terphenyl-d14      | 94         |           | 41-149              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-05  
**Client ID:** SB1 (0-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 16:38  
**Analyst:** PS  
**Percent Solids:** 88%

**Date Collected:** 03/02/14 17:45  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:20

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | 250    |           | ug/kg | 150 | 38. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 61. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 35. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 170 | 52. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 60. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 61. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 58. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 56. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 49. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 40. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 48. | 1               |
| Fluoranthene                                     | 3800   |           | ug/kg | 110 | 34. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 56. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 43. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 220 | 65. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 56. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 52. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 530 | 120 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 150 | 34. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 170 | 49. | 1               |
| Naphthalene                                      | 330    |           | ug/kg | 180 | 62. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 170 | 44. | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/kg | 150 | 39. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 55. | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 49. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 36. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 36. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 46. | 1               |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 39. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 47. | 1               |
| Benzo(a)anthracene                               | 1700   |           | ug/kg | 110 | 36. | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-05  
 Client ID: SB1 (0-5)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 17:45  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                                   | 1400   |           | ug/kg | 150 | 45. | 1               |
| Benzo(b)fluoranthene                             | 1900   |           | ug/kg | 110 | 38. | 1               |
| Benzo(k)fluoranthene                             | 710    |           | ug/kg | 110 | 35. | 1               |
| Chrysene                                         | 1700   |           | ug/kg | 110 | 36. | 1               |
| Acenaphthylene                                   | 92     | J         | ug/kg | 150 | 35. | 1               |
| Anthracene                                       | 700    |           | ug/kg | 110 | 31. | 1               |
| Benzo(ghi)perylene                               | 890    |           | ug/kg | 150 | 39. | 1               |
| Fluorene                                         | 240    |           | ug/kg | 180 | 53. | 1               |
| Phenanthrene                                     | 3500   |           | ug/kg | 110 | 36. | 1               |
| Dibenzo(a,h)anthracene                           | 240    |           | ug/kg | 110 | 36. | 1               |
| Indeno(1,2,3-cd)Pyrene                           | 950    |           | ug/kg | 150 | 41. | 1               |
| Pyrene                                           | 3000   |           | ug/kg | 110 | 36. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 420 | 61. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 49. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 52. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 51. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 50. | 1               |
| Dibenzofuran                                     | 220    |           | ug/kg | 180 | 62. | 1               |
| 2-Methylnaphthalene                              | 130    | J         | ug/kg | 220 | 59. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 58. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 58. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/kg | 180 | 54. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 170 | 60. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 55. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 58. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 60. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 890 | 250 | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 480 | 68. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 40. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 55. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 60. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 270 | 61. | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 60. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 57. | 1               |
| Carbazole                                        | 320    |           | ug/kg | 180 | 40. | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-05  
 Client ID: SB1 (0-5)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 17:45  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 41         |           | 25-120              |
| Phenol-d6            | 43         |           | 10-120              |
| Nitrobenzene-d5      | 49         |           | 23-120              |
| 2-Fluorobiphenyl     | 45         |           | 30-120              |
| 2,4,6-Tribromophenol | 49         |           | 0-136               |
| 4-Terphenyl-d14      | 46         |           | 18-120              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-06      D  
**Client ID:** SB6 (0-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 17:05  
**Analyst:** PS  
**Percent Solids:** 96%

**Date Collected:** 03/02/14 18:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:20

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 680  | 180 | 5               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 850  | 280 | 5               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 510  | 160 | 5               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 770  | 240 | 5               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 850  | 280 | 5               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 850  | 280 | 5               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 850  | 270 | 5               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 850  | 260 | 5               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 850  | 230 | 5               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 850  | 180 | 5               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 850  | 220 | 5               |
| Fluoranthene                                     | 220    | J         | ug/kg | 510  | 160 | 5               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 850  | 260 | 5               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 850  | 200 | 5               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 1000 | 300 | 5               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 920  | 260 | 5               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 850  | 240 | 5               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 2400 | 550 | 5               |
| Hexachloroethane                                 | ND     |           | ug/kg | 680  | 150 | 5               |
| Isophorone                                       | ND     |           | ug/kg | 770  | 230 | 5               |
| Naphthalene                                      | ND     |           | ug/kg | 850  | 280 | 5               |
| Nitrobenzene                                     | ND     |           | ug/kg | 770  | 200 | 5               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/kg | 680  | 180 | 5               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 850  | 250 | 5               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/kg | 850  | 220 | 5               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 850  | 170 | 5               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 850  | 160 | 5               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 850  | 210 | 5               |
| Diethyl phthalate                                | ND     |           | ug/kg | 850  | 180 | 5               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 850  | 220 | 5               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 510  | 170 | 5               |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-06 D

Date Collected: 03/02/14 18:30

Client ID: SB6 (0-5)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 680  | 210  | 5               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 510  | 170  | 5               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 510  | 160  | 5               |
| Chrysene                                         | ND     |           | ug/kg | 510  | 170  | 5               |
| Acenaphthylene                                   | ND     |           | ug/kg | 680  | 160  | 5               |
| Anthracene                                       | ND     |           | ug/kg | 510  | 140  | 5               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 680  | 180  | 5               |
| Fluorene                                         | ND     |           | ug/kg | 850  | 240  | 5               |
| Phenanthrene                                     | ND     |           | ug/kg | 510  | 170  | 5               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 510  | 160  | 5               |
| Indeno(1,2,3-cd)Pyrene                           | ND     |           | ug/kg | 680  | 190  | 5               |
| Pyrene                                           | 220    | J         | ug/kg | 510  | 160  | 5               |
| Biphenyl                                         | ND     |           | ug/kg | 1900 | 280  | 5               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 850  | 220  | 5               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 850  | 240  | 5               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 850  | 230  | 5               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 850  | 230  | 5               |
| Dibenzofuran                                     | ND     |           | ug/kg | 850  | 280  | 5               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 1000 | 270  | 5               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 850  | 260  | 5               |
| Acetophenone                                     | ND     |           | ug/kg | 850  | 260  | 5               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 510  | 160  | 5               |
| P-Chloro-M-Cresol                                | ND     |           | ug/kg | 850  | 250  | 5               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 850  | 260  | 5               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 770  | 280  | 5               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 850  | 250  | 5               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 1800 | 260  | 5               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 1200 | 280  | 5               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 4100 | 1200 | 5               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 2200 | 310  | 5               |
| Pentachlorophenol                                | ND     |           | ug/kg | 680  | 180  | 5               |
| Phenol                                           | ND     |           | ug/kg | 850  | 250  | 5               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 850  | 270  | 5               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 1200 | 280  | 5               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 850  | 280  | 5               |
| Benzoic Acid                                     | ND     |           | ug/kg | 2800 | 860  | 5               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 850  | 260  | 5               |
| Carbazole                                        | ND     |           | ug/kg | 850  | 180  | 5               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-06 D

Date Collected: 03/02/14 18:30

Client ID: SB6 (0-5)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 64         |           | 25-120              |
| Phenol-d6            | 70         |           | 10-120              |
| Nitrobenzene-d5      | 71         |           | 23-120              |
| 2-Fluorobiphenyl     | 67         |           | 30-120              |
| 2,4,6-Tribromophenol | 68         |           | 0-136               |
| 4-Terphenyl-d14      | 67         |           | 18-120              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-07  
**Client ID:** TMW1  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 15:17  
**Analyst:** RC

**Date Collected:** 03/02/14 18:55  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:44

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.21 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.41 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.30 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.32 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.89 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.36 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.60 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 0.58 | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.79 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/l  | 2.0 | 0.34 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.93 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.39 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.33 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.24 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.96 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.67 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.83 | 1               |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.22 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.36 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.43 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-07  
 Client ID: TMW1  
 Sample Location: BROOKLYN, NY

Date Collected: 03/02/14 18:55  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.78 | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.58 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.56 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 0.58 | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.0  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.1  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 1.4  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 1.4  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 0.27 | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.75 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 1.0  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.68 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.37 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 44         |           | 21-120              |
| Phenol-d6            | 30         |           | 10-120              |
| Nitrobenzene-d5      | 74         |           | 23-120              |
| 2-Fluorobiphenyl     | 66         |           | 15-120              |
| 2,4,6-Tribromophenol | 73         |           | 10-120              |
| 4-Terphenyl-d14      | 79         |           | 41-149              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-07  
**Client ID:** TMW1  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 03/06/14 13:13  
**Analyst:** MW

**Date Collected:** 03/02/14 18:55  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:46

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 0.26   |           | ug/l  | 0.20 | 0.06 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluoranthene                                         | 0.39   |           | ug/l  | 0.20 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.07 | 1               |
| Naphthalene                                          | 3.7    |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)anthracene                                   | 0.07   | J         | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Chrysene                                             | 0.06   | J         | ug/l  | 0.20 | 0.05 | 1               |
| Acenaphthylene                                       | 0.14   | J         | ug/l  | 0.20 | 0.05 | 1               |
| Anthracene                                           | 0.22   |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluorene                                             | 0.42   |           | ug/l  | 0.20 | 0.06 | 1               |
| Phenanthrene                                         | 1.2    |           | ug/l  | 0.20 | 0.06 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Indeno(1,2,3-cd)Pyrene                               | ND     |           | ug/l  | 0.20 | 0.08 | 1               |
| Pyrene                                               | 0.29   |           | ug/l  | 0.20 | 0.06 | 1               |
| 2-Methylnaphthalene                                  | 0.62   |           | ug/l  | 0.20 | 0.06 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.19 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.07 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 43         |           | 21-120              |
| Phenol-d6            | 28         |           | 10-120              |
| Nitrobenzene-d5      | 69         |           | 23-120              |
| 2-Fluorobiphenyl     | 78         |           | 15-120              |
| 2,4,6-Tribromophenol | 74         |           | 10-120              |
| 4-Terphenyl-d14      | 96         |           | 41-149              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-08      D  
**Client ID:** SB7 (2-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 17:33  
**Analyst:** PS  
**Percent Solids:** 86%

**Date Collected:** 03/02/14 18:55  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:20

| Parameter                                        | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                     | 1500   |           | ug/kg | 620  | 160 | 4               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 770  | 250 | 4               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 460  | 140 | 4               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 700  | 220 | 4               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 770  | 250 | 4               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 770  | 250 | 4               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 770  | 240 | 4               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 770  | 230 | 4               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 770  | 200 | 4               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 770  | 170 | 4               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 770  | 200 | 4               |
| Fluoranthene                                     | 19000  |           | ug/kg | 460  | 140 | 4               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 770  | 230 | 4               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 770  | 180 | 4               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 930  | 270 | 4               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 830  | 230 | 4               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 770  | 220 | 4               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 2200 | 500 | 4               |
| Hexachloroethane                                 | ND     |           | ug/kg | 620  | 140 | 4               |
| Isophorone                                       | ND     |           | ug/kg | 700  | 200 | 4               |
| Naphthalene                                      | 820    |           | ug/kg | 770  | 260 | 4               |
| Nitrobenzene                                     | ND     |           | ug/kg | 700  | 180 | 4               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/kg | 620  | 160 | 4               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 770  | 230 | 4               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/kg | 770  | 200 | 4               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 770  | 150 | 4               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 770  | 150 | 4               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 770  | 190 | 4               |
| Diethyl phthalate                                | ND     |           | ug/kg | 770  | 160 | 4               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 770  | 200 | 4               |
| Benzo(a)anthracene                               | 8700   |           | ug/kg | 460  | 150 | 4               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-08 D

Date Collected: 03/02/14 18:55

Client ID: SB7 (2-5)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Benzo(a)pyrene                                   | 7700   |           | ug/kg | 620  | 190  | 4               |
| Benzo(b)fluoranthene                             | 9600   |           | ug/kg | 460  | 160  | 4               |
| Benzo(k)fluoranthene                             | 4000   |           | ug/kg | 460  | 150  | 4               |
| Chrysene                                         | 9600   |           | ug/kg | 460  | 150  | 4               |
| Acenaphthylene                                   | 450    | J         | ug/kg | 620  | 140  | 4               |
| Anthracene                                       | 2500   |           | ug/kg | 460  | 130  | 4               |
| Benzo(ghi)perylene                               | 4600   |           | ug/kg | 620  | 160  | 4               |
| Fluorene                                         | 1100   |           | ug/kg | 770  | 220  | 4               |
| Phenanthrene                                     | 11000  |           | ug/kg | 460  | 150  | 4               |
| Dibenzo(a,h)anthracene                           | 1200   |           | ug/kg | 460  | 150  | 4               |
| Indeno(1,2,3-cd)Pyrene                           | 4900   |           | ug/kg | 620  | 170  | 4               |
| Pyrene                                           | 17000  |           | ug/kg | 460  | 150  | 4               |
| Biphenyl                                         | 260    | J         | ug/kg | 1800 | 250  | 4               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 770  | 200  | 4               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 770  | 220  | 4               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 770  | 210  | 4               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 770  | 210  | 4               |
| Dibenzofuran                                     | 1300   |           | ug/kg | 770  | 260  | 4               |
| 2-Methylnaphthalene                              | 420    | J         | ug/kg | 930  | 250  | 4               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 770  | 240  | 4               |
| Acetophenone                                     | ND     |           | ug/kg | 770  | 240  | 4               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 460  | 140  | 4               |
| P-Chloro-M-Cresol                                | ND     |           | ug/kg | 770  | 220  | 4               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 770  | 230  | 4               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 700  | 250  | 4               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 770  | 230  | 4               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 1700 | 240  | 4               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 1100 | 250  | 4               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 3700 | 1000 | 4               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 2000 | 280  | 4               |
| Pentachlorophenol                                | ND     |           | ug/kg | 620  | 160  | 4               |
| Phenol                                           | ND     |           | ug/kg | 770  | 230  | 4               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 770  | 250  | 4               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 1100 | 250  | 4               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 770  | 250  | 4               |
| Benzoic Acid                                     | ND     |           | ug/kg | 2500 | 780  | 4               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 770  | 240  | 4               |
| Carbazole                                        | 1100   |           | ug/kg | 770  | 170  | 4               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-08 D

Date Collected: 03/02/14 18:55

Client ID: SB7 (2-5)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 35         |           | 25-120              |
| Phenol-d6            | 40         |           | 10-120              |
| Nitrobenzene-d5      | 42         |           | 23-120              |
| 2-Fluorobiphenyl     | 41         |           | 30-120              |
| 2,4,6-Tribromophenol | 40         |           | 0-136               |
| 4-Terphenyl-d14      | 42         |           | 18-120              |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-10  
**Client ID:** SB8 (5-7)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 18:00  
**Analyst:** PS  
**Percent Solids:** 88%

**Date Collected:** 03/04/14 08:35  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:20

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 150 | 38. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 190 | 61. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 35. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 170 | 52. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 190 | 61. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 61. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 59. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 57. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 190 | 50. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 190 | 40. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 190 | 48. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 110 | 34. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 190 | 57. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 190 | 43. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 220 | 66. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 56. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 190 | 52. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 530 | 120 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 150 | 34. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 170 | 50. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 190 | 62. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 170 | 44. | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/kg | 150 | 39. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 190 | 56. | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/kg | 190 | 49. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 190 | 36. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 190 | 36. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 190 | 46. | 1               |
| Diethyl phthalate                                | ND     |           | ug/kg | 190 | 39. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 190 | 47. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 110 | 36. | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-10  
 Client ID: SB8 (5-7)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 08:35  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 46. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 38. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 36. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 37. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 35. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 31. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 150 | 39. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 190 | 53. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 36. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 36. | 1               |
| Indeno(1,2,3-cd)Pyrene                           | ND     |           | ug/kg | 150 | 41. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 110 | 36. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 420 | 62. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 190 | 49. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 190 | 52. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 190 | 51. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 190 | 50. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 190 | 62. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 60. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 190 | 58. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 190 | 58. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/kg | 190 | 54. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 190 | 56. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 170 | 60. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 190 | 56. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 58. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 60. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 900 | 260 | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 480 | 68. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 40. | 1               |
| Phenol                                           | ND     |           | ug/kg | 190 | 55. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 190 | 60. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 270 | 61. | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 190 | 60. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 190 | 57. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 190 | 40. | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404475-10  
 Client ID: SB8 (5-7)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 08:35  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 57         |           | 25-120              |
| Phenol-d6            | 59         |           | 10-120              |
| Nitrobenzene-d5      | 61         |           | 23-120              |
| 2-Fluorobiphenyl     | 51         |           | 30-120              |
| 2,4,6-Tribromophenol | 56         |           | 0-136               |
| 4-Terphenyl-d14      | 54         |           | 18-120              |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 17:51  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 01:20

| Parameter                                                                                           | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05-06,08,10 Batch: WG673636-1 |        |           |       |     |     |
| Acenaphthene                                                                                        | ND     |           | ug/kg | 130 | 34. |
| 1,2,4-Trichlorobenzene                                                                              | ND     |           | ug/kg | 170 | 54. |
| Hexachlorobenzene                                                                                   | ND     |           | ug/kg | 100 | 31. |
| Bis(2-chloroethyl)ether                                                                             | ND     |           | ug/kg | 150 | 46. |
| 2-Chloronaphthalene                                                                                 | ND     |           | ug/kg | 170 | 54. |
| 1,2-Dichlorobenzene                                                                                 | ND     |           | ug/kg | 170 | 54. |
| 1,3-Dichlorobenzene                                                                                 | ND     |           | ug/kg | 170 | 52. |
| 1,4-Dichlorobenzene                                                                                 | ND     |           | ug/kg | 170 | 50. |
| 3,3'-Dichlorobenzidine                                                                              | ND     |           | ug/kg | 170 | 44. |
| 2,4-Dinitrotoluene                                                                                  | ND     |           | ug/kg | 170 | 36. |
| 2,6-Dinitrotoluene                                                                                  | ND     |           | ug/kg | 170 | 42. |
| Fluoranthene                                                                                        | ND     |           | ug/kg | 100 | 30. |
| 4-Chlorophenyl phenyl ether                                                                         | ND     |           | ug/kg | 170 | 50. |
| 4-Bromophenyl phenyl ether                                                                          | ND     |           | ug/kg | 170 | 38. |
| Bis(2-chloroisopropyl)ether                                                                         | ND     |           | ug/kg | 200 | 58. |
| Bis(2-chloroethoxy)methane                                                                          | ND     |           | ug/kg | 180 | 50. |
| Hexachlorobutadiene                                                                                 | ND     |           | ug/kg | 170 | 47. |
| Hexachlorocyclopentadiene                                                                           | ND     |           | ug/kg | 480 | 110 |
| Hexachloroethane                                                                                    | ND     |           | ug/kg | 130 | 30. |
| Isophorone                                                                                          | ND     |           | ug/kg | 150 | 44. |
| Naphthalene                                                                                         | ND     |           | ug/kg | 170 | 55. |
| Nitrobenzene                                                                                        | ND     |           | ug/kg | 150 | 40. |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                                      | ND     |           | ug/kg | 130 | 35. |
| n-Nitrosodi-n-propylamine                                                                           | ND     |           | ug/kg | 170 | 49. |
| Bis(2-Ethylhexyl)phthalate                                                                          | ND     |           | ug/kg | 170 | 44. |
| Butyl benzyl phthalate                                                                              | ND     |           | ug/kg | 170 | 32. |
| Di-n-butylphthalate                                                                                 | ND     |           | ug/kg | 170 | 32. |
| Di-n-octylphthalate                                                                                 | ND     |           | ug/kg | 170 | 41. |
| Diethyl phthalate                                                                                   | ND     |           | ug/kg | 170 | 35. |
| Dimethyl phthalate                                                                                  | ND     |           | ug/kg | 170 | 42. |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 17:51  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 01:20

| Parameter                                                                                           | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05-06,08,10 Batch: WG673636-1 |        |           |       |     |     |
| Benzo(a)anthracene                                                                                  | ND     |           | ug/kg | 100 | 32. |
| Benzo(a)pyrene                                                                                      | ND     |           | ug/kg | 130 | 41. |
| Benzo(b)fluoranthene                                                                                | ND     |           | ug/kg | 100 | 34. |
| Benzo(k)fluoranthene                                                                                | ND     |           | ug/kg | 100 | 32. |
| Chrysene                                                                                            | ND     |           | ug/kg | 100 | 33. |
| Acenaphthylene                                                                                      | ND     |           | ug/kg | 130 | 31. |
| Anthracene                                                                                          | ND     |           | ug/kg | 100 | 28. |
| Benzo(ghi)perylene                                                                                  | ND     |           | ug/kg | 130 | 34. |
| Fluorene                                                                                            | ND     |           | ug/kg | 170 | 48. |
| Phenanthrene                                                                                        | ND     |           | ug/kg | 100 | 32. |
| Dibenzo(a,h)anthracene                                                                              | ND     |           | ug/kg | 100 | 32. |
| Indeno(1,2,3-cd)Pyrene                                                                              | ND     |           | ug/kg | 130 | 37. |
| Pyrene                                                                                              | ND     |           | ug/kg | 100 | 32. |
| Biphenyl                                                                                            | ND     |           | ug/kg | 380 | 55. |
| 4-Chloroaniline                                                                                     | ND     |           | ug/kg | 170 | 44. |
| 2-Nitroaniline                                                                                      | ND     |           | ug/kg | 170 | 47. |
| 3-Nitroaniline                                                                                      | ND     |           | ug/kg | 170 | 46. |
| 4-Nitroaniline                                                                                      | ND     |           | ug/kg | 170 | 45. |
| Dibenzofuran                                                                                        | ND     |           | ug/kg | 170 | 55. |
| 2-Methylnaphthalene                                                                                 | ND     |           | ug/kg | 200 | 53. |
| 1,2,4,5-Tetrachlorobenzene                                                                          | ND     |           | ug/kg | 170 | 51. |
| Acetophenone                                                                                        | ND     |           | ug/kg | 170 | 51. |
| 2,4,6-Trichlorophenol                                                                               | ND     |           | ug/kg | 100 | 31. |
| P-Chloro-M-Cresol                                                                                   | ND     |           | ug/kg | 170 | 48. |
| 2-Chlorophenol                                                                                      | ND     |           | ug/kg | 170 | 50. |
| 2,4-Dichlorophenol                                                                                  | ND     |           | ug/kg | 150 | 54. |
| 2,4-Dimethylphenol                                                                                  | ND     |           | ug/kg | 170 | 49. |
| 2-Nitrophenol                                                                                       | ND     |           | ug/kg | 360 | 52. |
| 4-Nitrophenol                                                                                       | ND     |           | ug/kg | 230 | 54. |
| 2,4-Dinitrophenol                                                                                   | ND     |           | ug/kg | 800 | 230 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 17:51  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 01:20

| Parameter                                                                                           | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05-06,08,10 Batch: WG673636-1 |        |           |       |     |     |
| 4,6-Dinitro-o-cresol                                                                                | ND     |           | ug/kg | 430 | 61. |
| Pentachlorophenol                                                                                   | ND     |           | ug/kg | 130 | 36. |
| Phenol                                                                                              | ND     |           | ug/kg | 170 | 49. |
| 2-Methylphenol                                                                                      | ND     |           | ug/kg | 170 | 53. |
| 3-Methylphenol/4-Methylphenol                                                                       | ND     |           | ug/kg | 240 | 54. |
| 2,4,5-Trichlorophenol                                                                               | ND     |           | ug/kg | 170 | 54. |
| Benzoic Acid                                                                                        | ND     |           | ug/kg | 540 | 170 |
| Benzyl Alcohol                                                                                      | ND     |           | ug/kg | 170 | 51. |
| Carbazole                                                                                           | ND     |           | ug/kg | 170 | 36. |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 48        |           | 25-120                 |
| Phenol-d6            | 44        |           | 10-120                 |
| Nitrobenzene-d5      | 43        |           | 23-120                 |
| 2-Fluorobiphenyl     | 51        |           | 30-120                 |
| 2,4,6-Tribromophenol | 59        |           | 0-136                  |
| 4-Terphenyl-d14      | 60        |           | 18-120                 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 09:40  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:44

| Parameter                                                                                  | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,07 Batch: WG673672-1 |        |           |       |     |      |
| 1,2,4-Trichlorobenzene                                                                     | ND     |           | ug/l  | 5.0 | 0.21 |
| Bis(2-chloroethyl)ether                                                                    | ND     |           | ug/l  | 2.0 | 0.41 |
| 1,2-Dichlorobenzene                                                                        | ND     |           | ug/l  | 2.0 | 0.30 |
| 1,3-Dichlorobenzene                                                                        | ND     |           | ug/l  | 2.0 | 0.35 |
| 1,4-Dichlorobenzene                                                                        | ND     |           | ug/l  | 2.0 | 0.32 |
| 3,3'-Dichlorobenzidine                                                                     | ND     |           | ug/l  | 5.0 | 0.48 |
| 2,4-Dinitrotoluene                                                                         | ND     |           | ug/l  | 5.0 | 1.0  |
| 2,6-Dinitrotoluene                                                                         | ND     |           | ug/l  | 5.0 | 0.89 |
| 4-Chlorophenyl phenyl ether                                                                | ND     |           | ug/l  | 2.0 | 0.36 |
| 4-Bromophenyl phenyl ether                                                                 | ND     |           | ug/l  | 2.0 | 0.43 |
| Bis(2-chloroisopropyl)ether                                                                | ND     |           | ug/l  | 2.0 | 0.60 |
| Bis(2-chloroethoxy)methane                                                                 | ND     |           | ug/l  | 5.0 | 0.60 |
| Hexachlorocyclopentadiene                                                                  | ND     |           | ug/l  | 20  | 0.58 |
| Isophorone                                                                                 | ND     |           | ug/l  | 5.0 | 0.79 |
| Nitrobenzene                                                                               | ND     |           | ug/l  | 2.0 | 0.40 |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                             | ND     |           | ug/l  | 2.0 | 0.34 |
| n-Nitrosodi-n-propylamine                                                                  | ND     |           | ug/l  | 5.0 | 0.64 |
| Bis(2-Ethylhexyl)phthalate                                                                 | ND     |           | ug/l  | 3.0 | 0.93 |
| Butyl benzyl phthalate                                                                     | ND     |           | ug/l  | 5.0 | 1.1  |
| Di-n-butylphthalate                                                                        | ND     |           | ug/l  | 5.0 | 0.77 |
| Di-n-octylphthalate                                                                        | ND     |           | ug/l  | 5.0 | 1.2  |
| Diethyl phthalate                                                                          | ND     |           | ug/l  | 5.0 | 0.39 |
| Dimethyl phthalate                                                                         | ND     |           | ug/l  | 5.0 | 0.33 |
| Biphenyl                                                                                   | ND     |           | ug/l  | 2.0 | 0.24 |
| 4-Chloroaniline                                                                            | ND     |           | ug/l  | 5.0 | 0.84 |
| 2-Nitroaniline                                                                             | ND     |           | ug/l  | 5.0 | 0.96 |
| 3-Nitroaniline                                                                             | ND     |           | ug/l  | 5.0 | 0.67 |
| 4-Nitroaniline                                                                             | ND     |           | ug/l  | 5.0 | 0.83 |
| Dibenzofuran                                                                               | ND     |           | ug/l  | 2.0 | 0.22 |
| 1,2,4,5-Tetrachlorobenzene                                                                 | ND     |           | ug/l  | 10  | 0.36 |
| Acetophenone                                                                               | ND     |           | ug/l  | 5.0 | 0.43 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 09:40  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:44

| Parameter                                                                                  | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,07 Batch: WG673672-1 |        |           |       |     |      |
| 2,4,6-Trichlorophenol                                                                      | ND     |           | ug/l  | 5.0 | 0.78 |
| P-Chloro-M-Cresol                                                                          | ND     |           | ug/l  | 2.0 | 0.54 |
| 2-Chlorophenol                                                                             | ND     |           | ug/l  | 2.0 | 0.58 |
| 2,4-Dichlorophenol                                                                         | ND     |           | ug/l  | 5.0 | 0.56 |
| 2,4-Dimethylphenol                                                                         | ND     |           | ug/l  | 5.0 | 0.58 |
| 2-Nitrophenol                                                                              | ND     |           | ug/l  | 10  | 1.0  |
| 4-Nitrophenol                                                                              | ND     |           | ug/l  | 10  | 1.1  |
| 2,4-Dinitrophenol                                                                          | ND     |           | ug/l  | 20  | 1.4  |
| 4,6-Dinitro-o-cresol                                                                       | ND     |           | ug/l  | 10  | 1.4  |
| Phenol                                                                                     | ND     |           | ug/l  | 5.0 | 0.27 |
| 2-Methylphenol                                                                             | ND     |           | ug/l  | 5.0 | 0.70 |
| 3-Methylphenol/4-Methylphenol                                                              | ND     |           | ug/l  | 5.0 | 0.72 |
| 2,4,5-Trichlorophenol                                                                      | ND     |           | ug/l  | 5.0 | 0.75 |
| Benzoic Acid                                                                               | ND     |           | ug/l  | 50  | 1.0  |
| Benzyl Alcohol                                                                             | ND     |           | ug/l  | 2.0 | 0.68 |
| Carbazole                                                                                  | ND     |           | ug/l  | 2.0 | 0.37 |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 36        |           | 21-120                 |
| Phenol-d6            | 24        |           | 10-120                 |
| Nitrobenzene-d5      | 65        |           | 23-120                 |
| 2-Fluorobiphenyl     | 57        |           | 15-120                 |
| 2,4,6-Tribromophenol | 57        |           | 10-120                 |
| 4-Terphenyl-d14      | 69        |           | 41-149                 |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/06/14 11:35  
 Analyst: MW

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:46

| Parameter                                                                                      | Result | Qualifier | Units | RL   | MDL  |
|------------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02,04,07 Batch: WG673674-1 |        |           |       |      |      |
| Acenaphthene                                                                                   | ND     |           | ug/l  | 0.20 | 0.06 |
| 2-Chloronaphthalene                                                                            | ND     |           | ug/l  | 0.20 | 0.07 |
| Fluoranthene                                                                                   | ND     |           | ug/l  | 0.20 | 0.04 |
| Hexachlorobutadiene                                                                            | ND     |           | ug/l  | 0.50 | 0.07 |
| Naphthalene                                                                                    | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(a)anthracene                                                                             | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(a)pyrene                                                                                 | ND     |           | ug/l  | 0.20 | 0.07 |
| Benzo(b)fluoranthene                                                                           | ND     |           | ug/l  | 0.20 | 0.07 |
| Benzo(k)fluoranthene                                                                           | ND     |           | ug/l  | 0.20 | 0.07 |
| Chrysene                                                                                       | ND     |           | ug/l  | 0.20 | 0.05 |
| Acenaphthylene                                                                                 | ND     |           | ug/l  | 0.20 | 0.05 |
| Anthracene                                                                                     | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(ghi)perylene                                                                             | ND     |           | ug/l  | 0.20 | 0.07 |
| Fluorene                                                                                       | ND     |           | ug/l  | 0.20 | 0.06 |
| Phenanthrene                                                                                   | ND     |           | ug/l  | 0.20 | 0.06 |
| Dibenzo(a,h)anthracene                                                                         | ND     |           | ug/l  | 0.20 | 0.07 |
| Indeno(1,2,3-cd)Pyrene                                                                         | ND     |           | ug/l  | 0.20 | 0.08 |
| Pyrene                                                                                         | ND     |           | ug/l  | 0.20 | 0.06 |
| 2-Methylnaphthalene                                                                            | ND     |           | ug/l  | 0.20 | 0.06 |
| Pentachlorophenol                                                                              | ND     |           | ug/l  | 0.80 | 0.19 |
| Hexachlorobenzene                                                                              | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachloroethane                                                                               | ND     |           | ug/l  | 0.80 | 0.07 |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/06/14 11:35  
 Analyst: MW

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:46

| Parameter                                                                                      | Result | Qualifier | Units | RL | MDL |
|------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02,04,07 Batch: WG673674-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 41        |           | 21-120                 |
| Phenol-d6            | 27        |           | 10-120                 |
| Nitrobenzene-d5      | 64        |           | 23-120                 |
| 2-Fluorobiphenyl     | 70        |           | 15-120                 |
| 2,4,6-Tribromophenol | 66        |           | 10-120                 |
| 4-Terphenyl-d14      | 97        |           | 41-149                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

| Parameter                                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673636-2 WG673636-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                          | 60               |      | 51                |      | 31-137              | 16  |      | 50            |
| 1,2,4-Trichlorobenzene                                                                                                | 60               |      | 49                |      | 38-107              | 20  |      | 50            |
| Hexachlorobenzene                                                                                                     | 72               |      | 61                |      | 40-140              | 17  |      | 50            |
| Bis(2-chloroethyl)ether                                                                                               | 46               |      | 38                | Q    | 40-140              | 19  |      | 50            |
| 2-Chloronaphthalene                                                                                                   | 63               |      | 51                |      | 40-140              | 21  |      | 50            |
| 1,2-Dichlorobenzene                                                                                                   | 56               |      | 45                |      | 40-140              | 22  |      | 50            |
| 1,3-Dichlorobenzene                                                                                                   | 54               |      | 43                |      | 40-140              | 23  |      | 50            |
| 1,4-Dichlorobenzene                                                                                                   | 54               |      | 43                |      | 28-104              | 23  |      | 50            |
| 3,3'-Dichlorobenzidine                                                                                                | 44               |      | 34                | Q    | 40-140              | 26  |      | 50            |
| 2,4-Dinitrotoluene                                                                                                    | 63               |      | 54                |      | 28-89               | 15  |      | 50            |
| 2,6-Dinitrotoluene                                                                                                    | 59               |      | 54                |      | 40-140              | 9   |      | 50            |
| Fluoranthene                                                                                                          | 66               |      | 58                |      | 40-140              | 13  |      | 50            |
| 4-Chlorophenyl phenyl ether                                                                                           | 67               |      | 58                |      | 40-140              | 14  |      | 50            |
| 4-Bromophenyl phenyl ether                                                                                            | 69               |      | 60                |      | 40-140              | 14  |      | 50            |
| Bis(2-chloroisopropyl)ether                                                                                           | 34               | Q    | 28                | Q    | 40-140              | 19  |      | 50            |
| Bis(2-chloroethoxy)methane                                                                                            | 47               |      | 40                |      | 40-117              | 16  |      | 50            |
| Hexachlorobutadiene                                                                                                   | 63               |      | 51                |      | 40-140              | 21  |      | 50            |
| Hexachlorocyclopentadiene                                                                                             | 47               |      | 37                | Q    | 40-140              | 24  |      | 50            |
| Hexachloroethane                                                                                                      | 49               |      | 40                |      | 40-140              | 20  |      | 50            |
| Isophorone                                                                                                            | 48               |      | 38                | Q    | 40-140              | 23  |      | 50            |
| Naphthalene                                                                                                           | 55               |      | 44                |      | 40-140              | 22  |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673636-2 WG673636-3 |                  |      |                   |      |                     |     |      |               |
| Nitrobenzene                                                                                                          | 51               |      | 40                |      | 40-140              | 24  |      | 50            |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                                                        | 65               |      | 56                |      |                     | 15  |      | 50            |
| n-Nitrosodi-n-propylamine                                                                                             | 46               |      | 37                |      | 32-121              | 22  |      | 50            |
| Bis(2-Ethylhexyl)phthalate                                                                                            | 59               |      | 52                |      | 40-140              | 13  |      | 50            |
| Butyl benzyl phthalate                                                                                                | 59               |      | 51                |      | 40-140              | 15  |      | 50            |
| Di-n-butylphthalate                                                                                                   | 62               |      | 55                |      | 40-140              | 12  |      | 50            |
| Di-n-octylphthalate                                                                                                   | 60               |      | 52                |      | 40-140              | 14  |      | 50            |
| Diethyl phthalate                                                                                                     | 62               |      | 54                |      | 40-140              | 14  |      | 50            |
| Dimethyl phthalate                                                                                                    | 62               |      | 53                |      | 40-140              | 16  |      | 50            |
| Benzo(a)anthracene                                                                                                    | 68               |      | 58                |      | 40-140              | 16  |      | 50            |
| Benzo(a)pyrene                                                                                                        | 66               |      | 57                |      | 40-140              | 15  |      | 50            |
| Benzo(b)fluoranthene                                                                                                  | 59               |      | 52                |      | 40-140              | 13  |      | 50            |
| Benzo(k)fluoranthene                                                                                                  | 73               |      | 62                |      | 40-140              | 16  |      | 50            |
| Chrysene                                                                                                              | 66               |      | 56                |      | 40-140              | 16  |      | 50            |
| Acenaphthylene                                                                                                        | 60               |      | 51                |      | 40-140              | 16  |      | 50            |
| Anthracene                                                                                                            | 65               |      | 57                |      | 40-140              | 13  |      | 50            |
| Benzo(ghi)perylene                                                                                                    | 67               |      | 59                |      | 40-140              | 13  |      | 50            |
| Fluorene                                                                                                              | 63               |      | 54                |      | 40-140              | 15  |      | 50            |
| Phenanthrene                                                                                                          | 65               |      | 56                |      | 40-140              | 15  |      | 50            |
| Dibenzo(a,h)anthracene                                                                                                | 68               |      | 59                |      | 40-140              | 14  |      | 50            |
| Indeno(1,2,3-cd)Pyrene                                                                                                | 68               |      | 57                |      | 40-140              | 18  |      | 50            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673636-2 WG673636-3 |                  |      |                   |      |                     |     |      |               |
| Pyrene                                                                                                                | 65               |      | 57                |      | 35-142              | 13  |      | 50            |
| Biphenyl                                                                                                              | 69               |      | 55                |      |                     | 23  |      | 50            |
| 4-Chloroaniline                                                                                                       | 49               |      | 43                |      | 40-140              | 13  |      | 50            |
| 2-Nitroaniline                                                                                                        | 61               |      | 55                |      | 47-134              | 10  |      | 50            |
| 3-Nitroaniline                                                                                                        | 24               | Q    | 17                | Q    | 26-129              | 34  |      | 50            |
| 4-Nitroaniline                                                                                                        | 55               |      | 46                |      | 41-125              | 18  |      | 50            |
| Dibenzofuran                                                                                                          | 64               |      | 55                |      | 40-140              | 15  |      | 50            |
| 2-Methylnaphthalene                                                                                                   | 60               |      | 50                |      | 40-140              | 18  |      | 50            |
| 1,2,4,5-Tetrachlorobenzene                                                                                            | 68               |      | 54                |      | 40-117              | 23  |      | 50            |
| Acetophenone                                                                                                          | 55               |      | 44                |      | 14-144              | 22  |      | 50            |
| 2,4,6-Trichlorophenol                                                                                                 | 66               |      | 55                |      | 30-130              | 18  |      | 50            |
| P-Chloro-M-Cresol                                                                                                     | 59               |      | 50                |      | 26-103              | 17  |      | 50            |
| 2-Chlorophenol                                                                                                        | 56               |      | 44                |      | 25-102              | 24  |      | 50            |
| 2,4-Dichlorophenol                                                                                                    | 62               |      | 50                |      | 30-130              | 21  |      | 50            |
| 2,4-Dimethylphenol                                                                                                    | 57               |      | 45                |      | 30-130              | 24  |      | 50            |
| 2-Nitrophenol                                                                                                         | 56               |      | 44                |      | 30-130              | 24  |      | 50            |
| 4-Nitrophenol                                                                                                         | 53               |      | 46                |      | 11-114              | 14  |      | 50            |
| 2,4-Dinitrophenol                                                                                                     | 40               |      | 35                |      | 4-130               | 13  |      | 50            |
| 4,6-Dinitro-o-cresol                                                                                                  | 60               |      | 50                |      | 10-130              | 18  |      | 50            |
| Pentachlorophenol                                                                                                     | 62               |      | 53                |      | 17-109              | 16  |      | 50            |
| Phenol                                                                                                                | 51               |      | 41                |      | 26-90               | 22  |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

| Parameter                                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673636-2 WG673636-3 |                  |      |                   |      |                     |     |      |               |
| 2-Methylphenol                                                                                                        | 52               |      | 41                |      | 30-130.             | 24  |      | 50            |
| 3-Methylphenol/4-Methylphenol                                                                                         | 55               |      | 45                |      | 30-130              | 20  |      | 50            |
| 2,4,5-Trichlorophenol                                                                                                 | 66               |      | 58                |      | 30-130              | 13  |      | 50            |
| Benzoic Acid                                                                                                          | 11               |      | 9                 |      |                     | 20  |      | 50            |
| Benzyl Alcohol                                                                                                        | 54               |      | 43                |      | 40-140              | 23  |      | 50            |
| Carbazole                                                                                                             | 66               |      | 58                |      | 54-128              | 13  |      | 50            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 57               |      | 45                |      | 25-120                 |
| Phenol-d6            | 55               |      | 42                |      | 10-120                 |
| Nitrobenzene-d5      | 52               |      | 45                |      | 23-120                 |
| 2-Fluorobiphenyl     | 66               |      | 54                |      | 30-120                 |
| 2,4,6-Tribromophenol | 79               |      | 68                |      | 0-136                  |
| 4-Terphenyl-d14      | 72               |      | 60                |      | 18-120                 |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673672-2 WG673672-3 |                  |      |                   |      |                     |     |      |               |
| 1,2,4-Trichlorobenzene                                                                                       | 45               |      | 54                |      | 39-98               | 18  |      | 30            |
| Bis(2-chloroethyl)ether                                                                                      | 74               |      | 76                |      | 40-140              | 3   |      | 30            |
| 1,2-Dichlorobenzene                                                                                          | 54               |      | 57                |      | 40-140              | 5   |      | 30            |
| 1,3-Dichlorobenzene                                                                                          | 55               |      | 54                |      | 40-140              | 2   |      | 30            |
| 1,4-Dichlorobenzene                                                                                          | 52               |      | 53                |      | 36-97               | 2   |      | 30            |
| 3,3'-Dichlorobenzidine                                                                                       | 50               |      | 48                |      | 40-140              | 4   |      | 30            |
| 2,4-Dinitrotoluene                                                                                           | 81               |      | 84                |      | 24-96               | 4   |      | 30            |
| 2,6-Dinitrotoluene                                                                                           | 64               |      | 103               |      | 40-140              | 47  | Q    | 30            |
| 4-Chlorophenyl phenyl ether                                                                                  | 74               |      | 70                |      | 40-140              | 6   |      | 30            |
| 4-Bromophenyl phenyl ether                                                                                   | 73               |      | 74                |      | 40-140              | 1   |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                                  | 91               |      | 92                |      | 40-140              | 1   |      | 30            |
| Bis(2-chloroethoxy)methane                                                                                   | 79               |      | 85                |      | 40-140              | 7   |      | 30            |
| Hexachlorocyclopentadiene                                                                                    | 36               | Q    | 41                |      | 40-140              | 13  |      | 30            |
| Isophorone                                                                                                   | 80               |      | 88                |      | 40-140              | 10  |      | 30            |
| Nitrobenzene                                                                                                 | 63               |      | 73                |      | 40-140              | 15  |      | 30            |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                                               | 81               |      | 79                |      | 40-140              | 3   |      | 30            |
| n-Nitrosodi-n-propylamine                                                                                    | 84               |      | 86                |      | 29-132              | 2   |      | 30            |
| Bis(2-Ethylhexyl)phthalate                                                                                   | 96               |      | 102               |      | 40-140              | 6   |      | 30            |
| Butyl benzyl phthalate                                                                                       | 84               |      | 98                |      | 40-140              | 15  |      | 30            |
| Di-n-butylphthalate                                                                                          | 82               |      | 94                |      | 40-140              | 14  |      | 30            |
| Di-n-octylphthalate                                                                                          | 94               |      | 95                |      | 40-140              | 1   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673672-2 WG673672-3 |                  |      |                   |      |                     |     |      |               |
| Diethyl phthalate                                                                                            | 83               |      | 80                |      | 40-140              | 4   |      | 30            |
| Dimethyl phthalate                                                                                           | 78               |      | 91                |      | 40-140              | 15  |      | 30            |
| Biphenyl                                                                                                     | 67               |      | 63                |      |                     | 6   |      | 30            |
| 4-Chloroaniline                                                                                              | 61               |      | 70                |      | 40-140              | 14  |      | 30            |
| 2-Nitroaniline                                                                                               | 68               |      | 93                |      | 52-143              | 31  | Q    | 30            |
| 3-Nitroaniline                                                                                               | 52               |      | 51                |      | 25-145              | 2   |      | 30            |
| 4-Nitroaniline                                                                                               | 79               |      | 77                |      | 51-143              | 3   |      | 30            |
| Dibenzofuran                                                                                                 | 76               |      | 77                |      | 40-140              | 1   |      | 30            |
| 1,2,4,5-Tetrachlorobenzene                                                                                   | 59               |      | 54                |      | 2-134               | 9   |      | 30            |
| Acetophenone                                                                                                 | 76               |      | 84                |      | 39-129              | 10  |      | 30            |
| 2,4,6-Trichlorophenol                                                                                        | 63               |      | 82                |      | 30-130              | 26  |      | 30            |
| P-Chloro-M-Cresol                                                                                            | 68               |      | 89                |      | 23-97               | 27  |      | 30            |
| 2-Chlorophenol                                                                                               | 68               |      | 74                |      | 27-123              | 8   |      | 30            |
| 2,4-Dichlorophenol                                                                                           | 62               |      | 81                |      | 30-130              | 27  |      | 30            |
| 2,4-Dimethylphenol                                                                                           | 78               |      | 90                |      | 30-130              | 14  |      | 30            |
| 2-Nitrophenol                                                                                                | 70               |      | 81                |      | 30-130              | 15  |      | 30            |
| 4-Nitrophenol                                                                                                | 65               |      | 66                |      | 10-80               | 2   |      | 30            |
| 2,4-Dinitrophenol                                                                                            | 65               |      | 74                |      | 20-130              | 13  |      | 30            |
| 4,6-Dinitro-o-cresol                                                                                         | 77               |      | 76                |      | 20-164              | 1   |      | 30            |
| Phenol                                                                                                       | 33               |      | 39                |      | 12-110              | 17  |      | 30            |
| 2-Methylphenol                                                                                               | 65               |      | 75                |      | 30-130              | 14  |      | 30            |



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673672-2 WG673672-3 |                  |      |                   |      |                     |     |      |               |
| 3-Methylphenol/4-Methylphenol                                                                                | 69               |      | 76                |      | 30-130              | 10  |      | 30            |
| 2,4,5-Trichlorophenol                                                                                        | 62               |      | 87                |      | 30-130              | 34  | Q    | 30            |
| Benzoic Acid                                                                                                 | 24               |      | 36                |      |                     | 40  | Q    | 30            |
| Benzyl Alcohol                                                                                               | 61               |      | 71                |      |                     | 15  |      | 30            |
| Carbazole                                                                                                    | 85               |      | 89                |      | 55-144              | 5   |      | 30            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 48               |      | 51                |      | 21-120                 |
| Phenol-d6            | 33               |      | 37                |      | 10-120                 |
| Nitrobenzene-d5      | 76               |      | 83                |      | 23-120                 |
| 2-Fluorobiphenyl     | 56               |      | 72                |      | 15-120                 |
| 2,4,6-Tribromophenol | 73               |      | 88                |      | 10-120                 |
| 4-Terphenyl-d14      | 71               |      | 87                |      | 41-149                 |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673674-2 WG673674-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                     | 81               |      | 79                |      | 37-111              | 3   |      | 40            |
| 2-Chloronaphthalene                                                                                              | 77               |      | 79                |      | 40-140              | 3   |      | 40            |
| Fluoranthene                                                                                                     | 102              |      | 96                |      | 40-140              | 6   |      | 40            |
| Hexachlorobutadiene                                                                                              | 68               |      | 70                |      | 40-140              | 3   |      | 40            |
| Naphthalene                                                                                                      | 75               |      | 75                |      | 40-140              | 0   |      | 40            |
| Benzo(a)anthracene                                                                                               | 99               |      | 99                |      | 40-140              | 0   |      | 40            |
| Benzo(a)pyrene                                                                                                   | 93               |      | 93                |      | 40-140              | 0   |      | 40            |
| Benzo(b)fluoranthene                                                                                             | 95               |      | 106               |      | 40-140              | 11  |      | 40            |
| Benzo(k)fluoranthene                                                                                             | 98               |      | 90                |      | 40-140              | 9   |      | 40            |
| Chrysene                                                                                                         | 90               |      | 90                |      | 40-140              | 0   |      | 40            |
| Acenaphthylene                                                                                                   | 85               |      | 90                |      | 40-140              | 6   |      | 40            |
| Anthracene                                                                                                       | 90               |      | 87                |      | 40-140              | 3   |      | 40            |
| Benzo(ghi)perylene                                                                                               | 98               |      | 100               |      | 40-140              | 2   |      | 40            |
| Fluorene                                                                                                         | 88               |      | 87                |      | 40-140              | 1   |      | 40            |
| Phenanthrene                                                                                                     | 85               |      | 85                |      | 40-140              | 0   |      | 40            |
| Dibenzo(a,h)anthracene                                                                                           | 101              |      | 103               |      | 40-140              | 2   |      | 40            |
| Indeno(1,2,3-cd)Pyrene                                                                                           | 102              |      | 103               |      | 40-140              | 1   |      | 40            |
| Pyrene                                                                                                           | 97               |      | 93                |      | 26-127              | 4   |      | 40            |
| 2-Methylnaphthalene                                                                                              | 78               |      | 80                |      | 40-140              | 3   |      | 40            |
| Pentachlorophenol                                                                                                | 88               |      | 94                |      | 9-103               | 7   |      | 40            |
| Hexachlorobenzene                                                                                                | 79               |      | 86                |      | 40-140              | 8   |      | 40            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14

| <b>Parameter</b>                                                                                                 | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673674-2 WG673674-3 |                          |             |                           |             |                             |            |             |                       |
| Hexachloroethane                                                                                                 | 69                       |             | 69                        |             | 40-140                      | 0          |             | 40                    |

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 50                       |             | 51                        |             | 21-120                         |
| Phenol-d6            | 33                       |             | 33                        |             | 10-120                         |
| Nitrobenzene-d5      | 75                       |             | 76                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 85                       |             | 86                        |             | 15-120                         |
| 2,4,6-Tribromophenol | 96                       |             | 99                        |             | 10-120                         |
| 4-Terphenyl-d14      | 100                      |             | 96                        |             | 41-149                         |

# PCBS

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-01  
**Client ID:** SB3 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/05/14 16:17  
**Analyst:** JW  
**Percent Solids:** 74%

**Date Collected:** 03/02/14 15:15  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:56  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/05/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/05/14

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 44.2 | 3.49 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 44.2 | 4.08 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 44.2 | 5.18 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 44.2 | 5.41 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 44.2 | 3.73 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 44.2 | 3.63 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 44.2 | 3.37 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 44.2 | 2.19 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 44.2 | 6.41 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 56         |           | 30-150              | A      |
| Decachlorobiphenyl           | 52         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 61         |           | 30-150              | B      |
| Decachlorobiphenyl           | 57         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-02  
**Client ID:** TMW3  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/06/14 11:22  
**Analyst:** JW

**Date Collected:** 03/02/14 16:10  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:50  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/06/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.055 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.053 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.031 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.060 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.051 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.029 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.038 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | A      |
| Decachlorobiphenyl           | 83         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 80         |           | 30-150              | B      |
| Decachlorobiphenyl           | 83         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-03  
**Client ID:** SB5 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/05/14 16:29  
**Analyst:** JW  
**Percent Solids:** 80%

**Date Collected:** 03/02/14 16:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:56  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/05/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/05/14

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 41.1 | 3.25 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 41.1 | 3.79 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 41.1 | 4.82 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 41.1 | 5.03 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 41.1 | 3.47 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 41.1 | 3.38 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 41.1 | 3.13 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 41.1 | 2.04 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 41.1 | 5.96 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 50         |           | 30-150              | A      |
| Decachlorobiphenyl           | 49         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 53         |           | 30-150              | B      |
| Decachlorobiphenyl           | 60         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-04  
**Client ID:** TMW5  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/06/14 11:35  
**Analyst:** JW

**Date Collected:** 03/02/14 17:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:50  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/06/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.055 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.053 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.031 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.060 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.051 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.029 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.038 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | A      |
| Decachlorobiphenyl           | 94         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | B      |
| Decachlorobiphenyl           | 81         |           | 30-150              | B      |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-05  
**Client ID:** SB1 (0-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/05/14 16:42  
**Analyst:** JW  
**Percent Solids:** 88%

**Date Collected:** 03/02/14 17:45  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:56  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/05/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/05/14

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.4 | 2.88 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.4 | 3.36 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.4 | 4.26 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.4 | 4.45 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.4 | 3.07 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.4 | 2.99 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 36.4 | 2.77 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.4 | 1.80 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.4 | 5.28 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61         |           | 30-150              | A      |
| Decachlorobiphenyl           | 60         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | B      |
| Decachlorobiphenyl           | 74         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-06  
**Client ID:** SB6 (0-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/05/14 16:54  
**Analyst:** JW  
**Percent Solids:** 96%

**Date Collected:** 03/02/14 18:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:56  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/05/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/05/14

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 33.3 | 2.63 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 33.3 | 3.07 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 33.3 | 3.90 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 33.3 | 4.07 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 33.3 | 2.81 | 1               | A      |
| Aroclor 1254                                      | 8.95   | J         | ug/kg | 33.3 | 2.74 | 1               | A      |
| Aroclor 1260                                      | 8.22   | J         | ug/kg | 33.3 | 2.54 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 33.3 | 1.65 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 33.3 | 4.83 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 56         |           | 30-150              | A      |
| Decachlorobiphenyl           | 51         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 62         |           | 30-150              | B      |
| Decachlorobiphenyl           | 67         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-07  
**Client ID:** TMW1  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/06/14 11:48  
**Analyst:** JW

**Date Collected:** 03/02/14 18:55  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:50  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/06/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.055 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.053 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.031 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.060 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.051 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.029 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.038 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | A      |
| Decachlorobiphenyl           | 82         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | B      |
| Decachlorobiphenyl           | 77         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-08  
**Client ID:** SB7 (2-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/05/14 17:06  
**Analyst:** JW  
**Percent Solids:** 86%

**Date Collected:** 03/02/14 18:55  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:56  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/05/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/05/14

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 37.8 | 2.98 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 37.8 | 3.48 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 37.8 | 4.43 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 37.8 | 4.62 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 37.8 | 3.19 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 37.8 | 3.11 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 37.8 | 2.88 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 37.8 | 1.87 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 37.8 | 5.48 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 58         |           | 30-150              | A      |
| Decachlorobiphenyl           | 47         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 58         |           | 30-150              | B      |
| Decachlorobiphenyl           | 71         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-10  
**Client ID:** SB8 (5-7)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/05/14 17:18  
**Analyst:** JW  
**Percent Solids:** 88%

**Date Collected:** 03/04/14 08:35  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:56  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/05/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/05/14

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|-----------|--------|-----------|-------|----|-----|-----------------|--------|
|-----------|--------|-----------|-------|----|-----|-----------------|--------|

## Polychlorinated Biphenyls by GC - Westborough Lab

|              |    |  |       |      |      |   |   |
|--------------|----|--|-------|------|------|---|---|
| Aroclor 1016 | ND |  | ug/kg | 37.0 | 2.92 | 1 | A |
| Aroclor 1221 | ND |  | ug/kg | 37.0 | 3.41 | 1 | A |
| Aroclor 1232 | ND |  | ug/kg | 37.0 | 4.34 | 1 | A |
| Aroclor 1242 | ND |  | ug/kg | 37.0 | 4.53 | 1 | A |
| Aroclor 1248 | ND |  | ug/kg | 37.0 | 3.12 | 1 | A |
| Aroclor 1254 | ND |  | ug/kg | 37.0 | 3.04 | 1 | A |
| Aroclor 1260 | ND |  | ug/kg | 37.0 | 2.82 | 1 | A |
| Aroclor 1262 | ND |  | ug/kg | 37.0 | 1.84 | 1 | A |
| Aroclor 1268 | ND |  | ug/kg | 37.0 | 5.37 | 1 | A |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 55         |           | 30-150              | A      |
| Decachlorobiphenyl           | 38         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 62         |           | 30-150              | B      |
| Decachlorobiphenyl           | 52         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 03/05/14 11:07  
 Analyst: JW

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 01:56  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/05/14  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/05/14

| Parameter                                                                                            | Result | Qualifier | Units | RL   | MDL  | Column |
|------------------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,05-06,08,10 Batch: WG673641-1 |        |           |       |      |      |        |
| Aroclor 1016                                                                                         | ND     |           | ug/kg | 33.2 | 2.62 | A      |
| Aroclor 1221                                                                                         | ND     |           | ug/kg | 33.2 | 3.06 | A      |
| Aroclor 1232                                                                                         | ND     |           | ug/kg | 33.2 | 3.89 | A      |
| Aroclor 1242                                                                                         | ND     |           | ug/kg | 33.2 | 4.07 | A      |
| Aroclor 1248                                                                                         | ND     |           | ug/kg | 33.2 | 2.80 | A      |
| Aroclor 1254                                                                                         | ND     |           | ug/kg | 33.2 | 2.73 | A      |
| Aroclor 1260                                                                                         | ND     |           | ug/kg | 33.2 | 2.53 | A      |
| Aroclor 1262                                                                                         | ND     |           | ug/kg | 33.2 | 1.65 | A      |
| Aroclor 1268                                                                                         | ND     |           | ug/kg | 33.2 | 4.82 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 64        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 64        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 75        |           | 30-150                 | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 03/06/14 10:42  
 Analyst: JW

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:50  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/06/14  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/06/14

| Parameter                                                                                   | Result | Qualifier | Units | RL    | MDL   | Column |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04,07 Batch: WG673678-1 |        |           |       |       |       |        |
| Aroclor 1016                                                                                | ND     |           | ug/l  | 0.083 | 0.055 | A      |
| Aroclor 1221                                                                                | ND     |           | ug/l  | 0.083 | 0.053 | A      |
| Aroclor 1232                                                                                | ND     |           | ug/l  | 0.083 | 0.031 | A      |
| Aroclor 1242                                                                                | ND     |           | ug/l  | 0.083 | 0.060 | A      |
| Aroclor 1248                                                                                | ND     |           | ug/l  | 0.083 | 0.051 | A      |
| Aroclor 1254                                                                                | ND     |           | ug/l  | 0.083 | 0.034 | A      |
| Aroclor 1260                                                                                | ND     |           | ug/l  | 0.083 | 0.032 | A      |
| Aroclor 1262                                                                                | ND     |           | ug/l  | 0.083 | 0.029 | A      |
| Aroclor 1268                                                                                | ND     |           | ug/l  | 0.083 | 0.038 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 84        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 65        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 82        |           | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673641-2 WG673641-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                                           | 66               |      | 68                |      | 40-140              | 3   |      | 50            | A      |
| Aroclor 1260                                                                                                           | 64               |      | 65                |      | 40-140              | 2   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68               |      | 66                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 62               |      | 65                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 72               |      | 69                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 71               |      | 69                |      | 30-150                 | B      |



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673678-2 WG673678-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                                  | 83               |      | 88                |      | 40-140              | 7   |      | 50            | A      |
| Aroclor 1260                                                                                                  | 90               |      | 96                |      | 40-140              | 7   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 77               |      | 79                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 89               |      | 94                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78               |      | 82                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 81               |      | 91                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-01  
**Client ID:** SB3 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/06/14 14:12  
**Analyst:** GP  
**Percent Solids:** 74%

**Date Collected:** 03/02/14 15:15  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 04:06  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 2.12  | 0.416 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.885 | 0.396 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.885 | 0.251 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 2.12  | 0.805 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 1.06  | 0.476 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 2.12  | 0.748 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.98  | 1.19  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.885 | 0.363 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 2.12  | 0.547 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.33  | 0.664 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 2.12  | 0.491 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 2.12  | 0.757 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.98  | 1.71  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 2.12  | 0.502 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 2.12  | 0.710 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.885 | 0.421 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.98  | 1.24  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 39.8  | 11.1  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.65  | 0.740 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.65  | 0.701 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 17.2  | 7.03  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 105        |           | 30-150              | A      |
| Decachlorobiphenyl           | 100        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 94         |           | 30-150              | B      |
| Decachlorobiphenyl           | 100        |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-02  
**Client ID:** TMW3  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/08/14 18:25  
**Analyst:** SH

**Date Collected:** 03/02/14 16:10  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/07/14 13:36  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/08/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | 0.011  | J         | ug/l  | 0.040 | 0.005 | 1               | B      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 48         |           | 30-150              | A      |
| Decachlorobiphenyl           | 72         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 43         |           | 30-150              | B      |
| Decachlorobiphenyl           | 65         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-03  
**Client ID:** SB5 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/06/14 14:25  
**Analyst:** GP  
**Percent Solids:** 80%

**Date Collected:** 03/02/14 16:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 04:06  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.88  | 0.367 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.782 | 0.349 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.782 | 0.222 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.88  | 0.711 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.938 | 0.420 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.88  | 0.660 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.52  | 1.06  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.782 | 0.320 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.88  | 0.483 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.17  | 0.586 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.88  | 0.434 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.88  | 0.669 | 1               | A      |
| 4,4'-DDT                                          | 15.6   | P         | ug/kg | 3.52  | 1.51  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.88  | 0.443 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.88  | 0.627 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.782 | 0.372 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.52  | 1.09  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 35.2  | 9.85  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.34  | 0.654 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.34  | 0.619 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.2  | 6.21  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | A      |
| Decachlorobiphenyl           | 113        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 44         |           | 30-150              | B      |
| Decachlorobiphenyl           | 94         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-04  
**Client ID:** TMW5  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/06/14 13:20  
**Analyst:** SH

**Date Collected:** 03/02/14 17:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:48  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | A      |
| Decachlorobiphenyl           | 75         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | B      |
| Decachlorobiphenyl           | 126        |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-05  
**Client ID:** SB1 (0-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/06/14 14:39  
**Analyst:** GP  
**Percent Solids:** 88%

**Date Collected:** 03/02/14 17:45  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 04:06  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.77  | 0.347 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.739 | 0.330 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.739 | 0.210 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.77  | 0.673 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.887 | 0.398 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.77  | 0.625 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.33  | 0.998 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.739 | 0.303 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.77  | 0.457 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.11  | 0.554 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.77  | 0.410 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.77  | 0.633 | 1               | A      |
| 4,4'-DDT                                          | 6.76   |           | ug/kg | 3.33  | 1.43  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.77  | 0.419 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.77  | 0.593 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.739 | 0.352 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.33  | 1.03  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.3  | 9.31  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.22  | 0.618 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.22  | 0.585 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.4  | 5.88  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 296        | Q         | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 49         |           | 30-150              | B      |
| Decachlorobiphenyl           | 82         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-06  
**Client ID:** SB6 (0-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/06/14 14:52  
**Analyst:** GP  
**Percent Solids:** 96%

**Date Collected:** 03/02/14 18:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 04:06  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.63  | 0.319 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.678 | 0.303 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.678 | 0.192 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.63  | 0.617 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.814 | 0.365 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.63  | 0.573 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.05  | 0.915 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.678 | 0.278 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.63  | 0.419 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.02  | 0.508 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.63  | 0.376 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.63  | 0.580 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.05  | 1.31  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.63  | 0.384 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.63  | 0.544 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.678 | 0.323 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.05  | 0.949 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 30.5  | 8.54  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.03  | 0.567 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.03  | 0.537 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.2  | 5.39  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 52         |           | 30-150              | A      |
| Decachlorobiphenyl           | 130        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 42         |           | 30-150              | B      |
| Decachlorobiphenyl           | 95         |           | 30-150              | B      |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-07  
**Client ID:** TMW1  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/08/14 18:38  
**Analyst:** SH

**Date Collected:** 03/02/14 18:55  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/07/14 13:36  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/08/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | 0.012  | J         | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 108        |           | 30-150              | A      |
| Decachlorobiphenyl           | 137        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 93         |           | 30-150              | B      |
| Decachlorobiphenyl           | 117        |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-08      **D**  
**Client ID:** SB7 (2-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/07/14 10:48  
**Analyst:** GP  
**Percent Solids:** 86%

**Date Collected:** 03/02/14 18:55  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 04:06  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 36.1 | 7.06 | 20              | A      |
| Lindane                                           | ND     |           | ug/kg | 15.0 | 6.72 | 20              | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 15.0 | 4.27 | 20              | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 36.1 | 13.7 | 20              | A      |
| Heptachlor                                        | ND     |           | ug/kg | 18.0 | 8.08 | 20              | A      |
| Aldrin                                            | ND     |           | ug/kg | 36.1 | 12.7 | 20              | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 67.6 | 20.3 | 20              | A      |
| Endrin                                            | ND     |           | ug/kg | 15.0 | 6.16 | 20              | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 36.1 | 9.29 | 20              | A      |
| Dieldrin                                          | ND     |           | ug/kg | 22.5 | 11.3 | 20              | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 36.1 | 8.34 | 20              | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 36.1 | 12.9 | 20              | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 67.6 | 29.0 | 20              | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 36.1 | 8.52 | 20              | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 36.1 | 12.0 | 20              | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 15.0 | 7.15 | 20              | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 67.6 | 21.0 | 20              | A      |
| Toxaphene                                         | ND     |           | ug/kg | 676  | 189. | 20              | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 45.1 | 12.6 | 20              | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 45.1 | 11.9 | 20              | A      |
| Chlordane                                         | ND     |           | ug/kg | 293  | 119. | 20              | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 0          | Q         | 30-150              | A      |
| Decachlorobiphenyl           | 0          | Q         | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 0          | Q         | 30-150              | B      |
| Decachlorobiphenyl           | 0          | Q         | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404475-10  
**Client ID:** SB8 (5-7)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/06/14 15:18  
**Analyst:** GP  
**Percent Solids:** 88%

**Date Collected:** 03/04/14 08:35  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 04:06  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| 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 | 0.723 | 0.323 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.723 | 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 | 0.723 | 0.297 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.74  | 0.447 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.08  | 0.542 | 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 | 0.723 | 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 | 14.1  | 5.75  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 103        |           | 30-150              | A      |
| Decachlorobiphenyl           | 169        | Q         | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | B      |
| Decachlorobiphenyl           | 113        |           | 30-150              | B      |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 03/06/14 13:33  
 Analyst: GP

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 04:06  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/14

| Parameter                                                                                            | Result | Qualifier | Units | RL    | MDL   | Column |
|------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05-06,08,10 Batch: WG673647-1 |        |           |       |       |       |        |
| Delta-BHC                                                                                            | ND     |           | ug/kg | 1.59  | 0.311 | A      |
| Lindane                                                                                              | ND     |           | ug/kg | 0.662 | 0.296 | A      |
| Alpha-BHC                                                                                            | ND     |           | ug/kg | 0.662 | 0.188 | A      |
| Beta-BHC                                                                                             | ND     |           | ug/kg | 1.59  | 0.603 | A      |
| Heptachlor                                                                                           | ND     |           | ug/kg | 0.795 | 0.356 | A      |
| Aldrin                                                                                               | ND     |           | ug/kg | 1.59  | 0.560 | A      |
| Heptachlor epoxide                                                                                   | ND     |           | ug/kg | 2.98  | 0.894 | A      |
| Endrin                                                                                               | ND     |           | ug/kg | 0.662 | 0.272 | A      |
| Endrin ketone                                                                                        | ND     |           | ug/kg | 1.59  | 0.409 | A      |
| Dieldrin                                                                                             | ND     |           | ug/kg | 0.993 | 0.497 | A      |
| 4,4'-DDE                                                                                             | ND     |           | ug/kg | 1.59  | 0.368 | A      |
| 4,4'-DDD                                                                                             | ND     |           | ug/kg | 1.59  | 0.567 | A      |
| 4,4'-DDT                                                                                             | ND     |           | ug/kg | 2.98  | 1.28  | A      |
| Endosulfan I                                                                                         | ND     |           | ug/kg | 1.59  | 0.375 | A      |
| Endosulfan II                                                                                        | ND     |           | ug/kg | 1.59  | 0.531 | A      |
| Endosulfan sulfate                                                                                   | ND     |           | ug/kg | 0.662 | 0.315 | A      |
| Methoxychlor                                                                                         | ND     |           | ug/kg | 2.98  | 0.927 | A      |
| Toxaphene                                                                                            | ND     |           | ug/kg | 29.8  | 8.34  | A      |
| cis-Chlordane                                                                                        | ND     |           | ug/kg | 1.99  | 0.554 | A      |
| trans-Chlordane                                                                                      | ND     |           | ug/kg | 1.99  | 0.524 | A      |
| Chlordane                                                                                            | ND     |           | ug/kg | 12.9  | 5.26  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 75        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 92        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 112       |           | 30-150                 | B      |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 03/06/14 12:14  
 Analyst: SH

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:48  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/14

| Parameter                                                                             | Result | Qualifier | Units | RL    | MDL   | Column |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG673676-1 |        |           |       |       |       |        |
| Delta-BHC                                                                             | ND     |           | ug/l  | 0.020 | 0.005 | A      |
| Lindane                                                                               | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Alpha-BHC                                                                             | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Beta-BHC                                                                              | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Heptachlor                                                                            | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Aldrin                                                                                | ND     |           | ug/l  | 0.020 | 0.002 | A      |
| Heptachlor epoxide                                                                    | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Endrin                                                                                | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endrin ketone                                                                         | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Dieldrin                                                                              | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDE                                                                              | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDD                                                                              | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| 4,4'-DDT                                                                              | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endosulfan I                                                                          | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Endosulfan II                                                                         | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Endosulfan sulfate                                                                    | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Methoxychlor                                                                          | ND     |           | ug/l  | 0.200 | 0.007 | A      |
| Toxaphene                                                                             | ND     |           | ug/l  | 0.200 | 0.063 | A      |
| cis-Chlordane                                                                         | ND     |           | ug/l  | 0.020 | 0.007 | A      |
| trans-Chlordane                                                                       | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Chlordane                                                                             | ND     |           | ug/l  | 0.200 | 0.046 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 65        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 68        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 100       |           | 30-150                 | B      |

Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 03/08/14 18:12  
 Analyst: SH

Extraction Method: EPA 3510C  
 Extraction Date: 03/07/14 13:36  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/08/14

| Parameter                                                                                | Result | Qualifier | Units | RL    | MDL   | Column |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,07 Batch: WG674253-1 |        |           |       |       |       |        |
| Delta-BHC                                                                                | ND     |           | ug/l  | 0.020 | 0.005 | A      |
| Lindane                                                                                  | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Alpha-BHC                                                                                | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Beta-BHC                                                                                 | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Heptachlor                                                                               | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Aldrin                                                                                   | ND     |           | ug/l  | 0.020 | 0.002 | A      |
| Heptachlor epoxide                                                                       | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Endrin                                                                                   | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endrin ketone                                                                            | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Dieldrin                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDE                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDD                                                                                 | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| 4,4'-DDT                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endosulfan I                                                                             | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Endosulfan II                                                                            | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Endosulfan sulfate                                                                       | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Methoxychlor                                                                             | ND     |           | ug/l  | 0.200 | 0.007 | A      |
| Toxaphene                                                                                | ND     |           | ug/l  | 0.200 | 0.063 | A      |
| cis-Chlordane                                                                            | ND     |           | ug/l  | 0.020 | 0.007 | A      |
| trans-Chlordane                                                                          | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Chlordane                                                                                | ND     |           | ug/l  | 0.200 | 0.046 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 62        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 73        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 54        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 63        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673647-2 WG673647-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                              | 76               |      | 68                |      | 30-150              | 11  |      | 30            | A      |
| Lindane                                                                                                                | 78               |      | 69                |      | 30-150              | 12  |      | 30            | A      |
| Alpha-BHC                                                                                                              | 80               |      | 73                |      | 30-150              | 9   |      | 30            | A      |
| Beta-BHC                                                                                                               | 80               |      | 71                |      | 30-150              | 12  |      | 30            | A      |
| Heptachlor                                                                                                             | 86               |      | 78                |      | 30-150              | 10  |      | 30            | A      |
| Aldrin                                                                                                                 | 89               |      | 79                |      | 30-150              | 12  |      | 30            | A      |
| Heptachlor epoxide                                                                                                     | 87               |      | 79                |      | 30-150              | 10  |      | 30            | A      |
| Endrin                                                                                                                 | 96               |      | 88                |      | 30-150              | 9   |      | 30            | A      |
| Endrin ketone                                                                                                          | 88               |      | 79                |      | 30-150              | 11  |      | 30            | A      |
| Dieldrin                                                                                                               | 94               |      | 85                |      | 30-150              | 10  |      | 30            | A      |
| 4,4'-DDE                                                                                                               | 91               |      | 82                |      | 30-150              | 10  |      | 30            | A      |
| 4,4'-DDD                                                                                                               | 88               |      | 79                |      | 30-150              | 11  |      | 30            | A      |
| 4,4'-DDT                                                                                                               | 100              |      | 91                |      | 30-150              | 9   |      | 30            | A      |
| Endosulfan I                                                                                                           | 89               |      | 81                |      | 30-150              | 9   |      | 30            | A      |
| Endosulfan II                                                                                                          | 88               |      | 79                |      | 30-150              | 11  |      | 30            | A      |
| Endosulfan sulfate                                                                                                     | 88               |      | 79                |      | 30-150              | 11  |      | 30            | A      |
| Methoxychlor                                                                                                           | 95               |      | 83                |      | 30-150              | 13  |      | 30            | A      |
| cis-Chlordane                                                                                                          | 91               |      | 80                |      | 30-150              | 13  |      | 30            | A      |
| trans-Chlordane                                                                                                        | 86               |      | 78                |      | 30-150              | 10  |      | 30            | A      |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673647-2 WG673647-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 73                       |             | 66                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 85                       |             | 79                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 74                       |             | 68                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 119                      |             | 111                       |             | 30-150                         | B             |



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG673676-2 WG673676-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                               | 79               |      | 86                |      | 30-150              | 8   |      | 20            | A      |
| Lindane                                                                                                 | 84               |      | 88                |      | 30-150              | 5   |      | 20            | A      |
| Alpha-BHC                                                                                               | 87               |      | 91                |      | 30-150              | 4   |      | 20            | A      |
| Beta-BHC                                                                                                | 83               |      | 86                |      | 30-150              | 4   |      | 20            | A      |
| Heptachlor                                                                                              | 93               |      | 98                |      | 30-150              | 6   |      | 20            | A      |
| Aldrin                                                                                                  | 95               |      | 101               |      | 30-150              | 6   |      | 20            | A      |
| Heptachlor epoxide                                                                                      | 97               |      | 102               |      | 30-150              | 5   |      | 20            | A      |
| Endrin                                                                                                  | 109              |      | 114               |      | 30-150              | 4   |      | 20            | A      |
| Endrin ketone                                                                                           | 99               |      | 102               |      | 30-150              | 3   |      | 20            | A      |
| Dieldrin                                                                                                | 105              |      | 110               |      | 30-150              | 5   |      | 20            | A      |
| 4,4'-DDE                                                                                                | 101              |      | 106               |      | 30-150              | 5   |      | 20            | A      |
| 4,4'-DDD                                                                                                | 99               |      | 102               |      | 30-150              | 3   |      | 20            | A      |
| 4,4'-DDT                                                                                                | 114              |      | 118               |      | 30-150              | 3   |      | 20            | A      |
| Endosulfan I                                                                                            | 100              |      | 104               |      | 30-150              | 4   |      | 20            | A      |
| Endosulfan II                                                                                           | 96               |      | 104               |      | 30-150              | 8   |      | 20            | A      |
| Endosulfan sulfate                                                                                      | 97               |      | 100               |      | 30-150              | 3   |      | 20            | A      |
| Methoxychlor                                                                                            | 104              |      | 109               |      | 30-150              | 5   |      | 20            | A      |
| cis-Chlordane                                                                                           | 98               |      | 107               |      | 30-150              | 9   |      | 20            | A      |
| trans-Chlordane                                                                                         | 95               |      | 102               |      | 30-150              | 8   |      | 20            | A      |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG673676-2 WG673676-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 73                       |             | 76                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 75                       |             | 56                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 70                       |             | 73                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 102                      |             | 98                        |             | 30-150                         | B             |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,07 Batch: WG674253-2 WG674253-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                  | 63               |      | 59                |      | 30-150              | 8   |      | 20            | A      |
| Lindane                                                                                                    | 63               |      | 59                |      | 30-150              | 8   |      | 20            | A      |
| Alpha-BHC                                                                                                  | 65               |      | 60                |      | 30-150              | 7   |      | 20            | A      |
| Beta-BHC                                                                                                   | 56               |      | 54                |      | 30-150              | 5   |      | 20            | A      |
| Heptachlor                                                                                                 | 50               |      | 46                |      | 30-150              | 7   |      | 20            | A      |
| Aldrin                                                                                                     | 50               |      | 45                |      | 30-150              | 10  |      | 20            | A      |
| Heptachlor epoxide                                                                                         | 63               |      | 57                |      | 30-150              | 10  |      | 20            | A      |
| Endrin                                                                                                     | 67               |      | 62                |      | 30-150              | 7   |      | 20            | A      |
| Endrin ketone                                                                                              | 63               |      | 59                |      | 30-150              | 6   |      | 20            | A      |
| Dieldrin                                                                                                   | 68               |      | 63                |      | 30-150              | 8   |      | 20            | A      |
| 4,4'-DDE                                                                                                   | 63               |      | 57                |      | 30-150              | 9   |      | 20            | A      |
| 4,4'-DDD                                                                                                   | 69               |      | 63                |      | 30-150              | 9   |      | 20            | A      |
| 4,4'-DDT                                                                                                   | 64               |      | 59                |      | 30-150              | 8   |      | 20            | A      |
| Endosulfan I                                                                                               | 65               |      | 60                |      | 30-150              | 8   |      | 20            | A      |
| Endosulfan II                                                                                              | 64               |      | 60                |      | 30-150              | 6   |      | 20            | A      |
| Endosulfan sulfate                                                                                         | 62               |      | 59                |      | 30-150              | 5   |      | 20            | A      |
| Methoxychlor                                                                                               | 60               |      | 59                |      | 30-150              | 2   |      | 20            | A      |
| cis-Chlordane                                                                                              | 68               |      | 62                |      | 30-150              | 9   |      | 20            | A      |
| trans-Chlordane                                                                                            | 61               |      | 56                |      | 30-150              | 9   |      | 20            | A      |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,07 Batch: WG674253-2 WG674253-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 43               |      | 36                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 50               |      | 49                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 38               |      | 32                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 43               |      | 43                |      | 30-150                 | B      |

## METALS

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

**SAMPLE RESULTS**

**Lab ID:** L1404475-01  
**Client ID:** SB3 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Percent Solids:** 74%

**Date Collected:** 03/02/14 15:15  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                      | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |        |           |       |      |      |                 |                |                |             |                   |         |
| Aluminum, Total                | 2200   |           | mg/kg | 10   | 2.0  | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Antimony, Total                | ND     |           | mg/kg | 5.0  | 0.81 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Arsenic, Total                 | 5.3    |           | mg/kg | 1.0  | 0.20 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Barium, Total                  | 85     |           | mg/kg | 1.0  | 0.30 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Beryllium, Total               | 0.19   | J         | mg/kg | 0.50 | 0.10 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Cadmium, Total                 | 1.8    |           | mg/kg | 1.0  | 0.07 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Calcium, Total                 | 6200   |           | mg/kg | 10   | 3.0  | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Chromium, Total                | 7.8    |           | mg/kg | 1.0  | 0.20 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Cobalt, Total                  | 7.3    |           | mg/kg | 2.0  | 0.50 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Copper, Total                  | 130    |           | mg/kg | 1.0  | 0.20 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Iron, Total                    | 40000  |           | mg/kg | 250  | 100  | 100             | 03/06/14 08:33 | 03/07/14 19:50 | EPA 3050B   | 1,6010C           | JH      |
| Lead, Total                    | 110    |           | mg/kg | 5.0  | 0.20 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Magnesium, Total               | 550    |           | mg/kg | 10   | 1.0  | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Manganese, Total               | 270    |           | mg/kg | 1.0  | 0.20 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Mercury, Total                 | 2.5    |           | mg/kg | 0.10 | 0.02 | 1               | 03/06/14 08:56 | 03/06/14 11:51 | EPA 7471B   | 1,7471B           | MC      |
| Nickel, Total                  | 11     |           | mg/kg | 2.5  | 0.40 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Potassium, Total               | 360    |           | mg/kg | 250  | 40.  | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Selenium, Total                | 1.6    | J         | mg/kg | 2.0  | 0.30 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Silver, Total                  | 0.20   | J         | mg/kg | 1.0  | 0.20 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Sodium, Total                  | 1300   |           | mg/kg | 200  | 30.  | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Thallium, Total                | ND     |           | mg/kg | 2.0  | 0.40 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Vanadium, Total                | 12     |           | mg/kg | 1.0  | 0.10 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |
| Zinc, Total                    | 180    |           | mg/kg | 5.0  | 0.70 | 2               | 03/06/14 08:33 | 03/07/14 17:25 | EPA 3050B   | 1,6010C           | JH      |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-02

Date Collected: 03/02/14 16:10

Client ID: TMW3

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

| Parameter                      | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Total                | ND      |           | mg/l  | 0.200   | 0.0400  | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Antimony, Total                | 0.00720 | J         | mg/l  | 0.1300  | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Arsenic, Total                 | 0.00308 | J         | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Barium, Total                  | 0.05454 |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Beryllium, Total               | ND      |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Cadmium, Total                 | ND      |           | mg/l  | 0.00400 | 0.00100 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Calcium, Total                 | 247.    |           | mg/l  | 2.00    | 0.640   | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Chromium, Total                | ND      |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Cobalt, Total                  | 0.00252 | J         | mg/l  | 0.00400 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Copper, Total                  | 0.00396 | J         | mg/l  | 0.02000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Iron, Total                    | ND      |           | mg/l  | 1.00    | 0.260   | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Lead, Total                    | ND      |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Magnesium, Total               | 535.    |           | mg/l  | 7.00    | 2.30    | 100             | 03/05/14 12:33 | 03/07/14 16:04 | EPA 3005A   | 1,6020A           | KL      |
| Manganese, Total               | 0.2616  |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Mercury, Total                 | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/05/14 07:51 | 03/05/14 10:46 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Total                  | 0.00760 | J         | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Potassium, Total               | 163.    |           | mg/l  | 2.00    | 0.540   | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Selenium, Total                | 0.0112  | J         | mg/l  | 0.100   | 0.00600 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Silver, Total                  | ND      |           | mg/l  | 0.00800 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Sodium, Total                  | 4280    |           | mg/l  | 10.0    | 1.50    | 100             | 03/05/14 12:33 | 03/07/14 16:04 | EPA 3005A   | 1,6020A           | KL      |
| Thallium, Total                | ND      |           | mg/l  | 0.01000 | 0.00060 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Vanadium, Total                | ND      |           | mg/l  | 0.1000  | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |
| Zinc, Total                    | 0.04862 | J         | mg/l  | 0.2000  | 0.02400 | 20              | 03/05/14 12:33 | 03/07/14 16:07 | EPA 3005A   | 1,6020A           | KL      |

## Dissolved Metals - Westborough Lab

|                      |         |   |      |         |         |    |                |                |    |         |    |
|----------------------|---------|---|------|---------|---------|----|----------------|----------------|----|---------|----|
| Aluminum, Dissolved  | ND      |   | mg/l | 0.200   | 0.0400  | 20 | 03/05/14 01:05 | 03/07/14 14:02 | NA | 1,6020A | KL |
| Antimony, Dissolved  | 0.04380 | J | mg/l | 0.1300  | 0.00200 | 20 | 03/05/14 01:05 | 03/07/14 14:02 | NA | 1,6020A | KL |
| Arsenic, Dissolved   | 0.00470 | J | mg/l | 0.01000 | 0.00400 | 20 | 03/05/14 01:05 | 03/07/14 14:02 | NA | 1,6020A | KL |
| Barium, Dissolved    | 0.05420 |   | mg/l | 0.01000 | 0.00200 | 20 | 03/05/14 01:05 | 03/07/14 14:02 | NA | 1,6020A | KL |
| Beryllium, Dissolved | ND      |   | mg/l | 0.01000 | 0.00200 | 20 | 03/05/14 01:05 | 03/07/14 14:02 | NA | 1,6020A | KL |
| Cadmium, Dissolved   | ND      |   | mg/l | 0.00400 | 0.00100 | 20 | 03/05/14 01:05 | 03/07/14 14:02 | NA | 1,6020A | KL |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-02

Date Collected: 03/02/14 16:10

Client ID: TMW3

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Calcium, Dissolved   | 251.    |           | mg/l  | 2.00    | 0.640   | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Chromium, Dissolved  | ND      |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Cobalt, Dissolved    | 0.00266 | J         | mg/l  | 0.00400 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Copper, Dissolved    | 0.00460 | J         | mg/l  | 0.02000 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Iron, Dissolved      | ND      |           | mg/l  | 1.00    | 0.260   | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Lead, Dissolved      | ND      |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Magnesium, Dissolved | 494.    |           | mg/l  | 7.00    | 2.30    | 100             | 03/05/14 01:05 | 03/07/14 13:58 | NA          | 1,6020A           | KL      |
| Manganese, Dissolved | 0.2782  |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/05/14 09:25 | 03/05/14 11:50 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Dissolved    | 0.00724 | J         | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Potassium, Dissolved | 155.    |           | mg/l  | 2.00    | 0.540   | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Selenium, Dissolved  | 0.0108  | J         | mg/l  | 0.100   | 0.00600 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Silver, Dissolved    | ND      |           | mg/l  | 0.00800 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Sodium, Dissolved    | 3960    |           | mg/l  | 10.0    | 1.50    | 100             | 03/05/14 01:05 | 03/07/14 13:58 | NA          | 1,6020A           | KL      |
| Thallium, Dissolved  | ND      |           | mg/l  | 0.01000 | 0.00060 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Vanadium, Dissolved  | ND      |           | mg/l  | 0.1000  | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |
| Zinc, Dissolved      | 0.05416 | J         | mg/l  | 0.2000  | 0.02400 | 20              | 03/05/14 01:05 | 03/07/14 14:02 | NA          | 1,6020A           | KL      |





Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-03

Date Collected: 03/02/14 16:25

Client ID: SB5 (8-10)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

| Parameter                      | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |        |           |       |      |      |                 |                |                |             |                   |         |
| Aluminum, Total                | 10000  |           | mg/kg | 9.6  | 1.9  | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Antimony, Total                | ND     |           | mg/kg | 4.8  | 0.76 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Arsenic, Total                 | 11     |           | mg/kg | 0.96 | 0.19 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Barium, Total                  | 58     |           | mg/kg | 0.96 | 0.29 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Beryllium, Total               | 0.60   |           | mg/kg | 0.48 | 0.10 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Cadmium, Total                 | 0.82   | J         | mg/kg | 0.96 | 0.07 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Calcium, Total                 | 80000  |           | mg/kg | 9.6  | 2.9  | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Chromium, Total                | 17     |           | mg/kg | 0.96 | 0.19 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Cobalt, Total                  | 5.3    |           | mg/kg | 1.9  | 0.48 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Copper, Total                  | 45     |           | mg/kg | 0.96 | 0.19 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Iron, Total                    | 17000  |           | mg/kg | 4.8  | 1.9  | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Lead, Total                    | 190    |           | mg/kg | 4.8  | 0.19 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Magnesium, Total               | 2400   |           | mg/kg | 9.6  | 0.96 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Manganese, Total               | 310    |           | mg/kg | 0.96 | 0.19 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Mercury, Total                 | 0.84   |           | mg/kg | 0.09 | 0.02 | 1               | 03/06/14 08:56 | 03/06/14 11:53 | EPA 7471B   | 1,7471B           | MC      |
| Nickel, Total                  | 15     |           | mg/kg | 2.4  | 0.38 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Potassium, Total               | 1300   |           | mg/kg | 240  | 38.  | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Selenium, Total                | 0.94   | J         | mg/kg | 1.9  | 0.29 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Silver, Total                  | ND     |           | mg/kg | 0.96 | 0.19 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Sodium, Total                  | 1800   |           | mg/kg | 190  | 29.  | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Thallium, Total                | ND     |           | mg/kg | 1.9  | 0.38 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Vanadium, Total                | 27     |           | mg/kg | 0.96 | 0.10 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |
| Zinc, Total                    | 58     |           | mg/kg | 4.8  | 0.67 | 2               | 03/06/14 08:33 | 03/07/14 18:09 | EPA 3050B   | 1,6010C           | JH      |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-04

Date Collected: 03/02/14 17:25

Client ID: TMW5

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

| Parameter                          | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab     |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Total                    | 0.866   |           | mg/l  | 0.200   | 0.0400  | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Antimony, Total                    | 0.00868 | J         | mg/l  | 0.1300  | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Arsenic, Total                     | 0.00504 | J         | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Barium, Total                      | 0.03044 |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Beryllium, Total                   | ND      |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Cadmium, Total                     | ND      |           | mg/l  | 0.00400 | 0.00100 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Calcium, Total                     | 264.    |           | mg/l  | 2.00    | 0.640   | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Chromium, Total                    | 0.00810 | J         | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Cobalt, Total                      | ND      |           | mg/l  | 0.00400 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Copper, Total                      | 0.00950 | J         | mg/l  | 0.02000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Iron, Total                        | 0.921   | J         | mg/l  | 1.00    | 0.260   | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Lead, Total                        | 0.02264 |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Magnesium, Total                   | 738.    |           | mg/l  | 7.00    | 2.30    | 100             | 03/05/14 12:33 | 03/07/14 16:11 | EPA 3005A   | 1,6020A           | KL      |
| Manganese, Total                   | 0.1485  |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Mercury, Total                     | 0.00046 |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/05/14 07:51 | 03/05/14 10:51 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Total                      | 0.00492 | J         | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Potassium, Total                   | 208.    |           | mg/l  | 2.00    | 0.540   | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Selenium, Total                    | ND      |           | mg/l  | 0.100   | 0.00600 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Silver, Total                      | ND      |           | mg/l  | 0.00800 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Sodium, Total                      | 5820    |           | mg/l  | 50.0    | 7.50    | 500             | 03/05/14 12:33 | 03/08/14 08:16 | EPA 3005A   | 1,6020A           | BM      |
| Thallium, Total                    | ND      |           | mg/l  | 0.01000 | 0.00060 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Vanadium, Total                    | ND      |           | mg/l  | 0.1000  | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Zinc, Total                        | 0.04380 | J         | mg/l  | 0.2000  | 0.02400 | 20              | 03/05/14 12:33 | 03/07/14 16:14 | EPA 3005A   | 1,6020A           | KL      |
| Dissolved Metals - Westborough Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Dissolved                | ND      |           | mg/l  | 0.200   | 0.0400  | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Antimony, Dissolved                | 0.03360 | J         | mg/l  | 0.1300  | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Arsenic, Dissolved                 | ND      |           | mg/l  | 0.01000 | 0.00400 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Barium, Dissolved                  | 0.03400 |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Beryllium, Dissolved               | ND      |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Cadmium, Dissolved                 | ND      |           | mg/l  | 0.00400 | 0.00100 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-04

Date Collected: 03/02/14 17:25

Client ID: TMW5

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Calcium, Dissolved   | 309.    |           | mg/l  | 2.00    | 0.640   | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Chromium, Dissolved  | ND      |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Cobalt, Dissolved    | ND      |           | mg/l  | 0.00400 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Copper, Dissolved    | 0.00532 | J         | mg/l  | 0.02000 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Iron, Dissolved      | ND      |           | mg/l  | 1.00    | 0.260   | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Lead, Dissolved      | ND      |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Magnesium, Dissolved | 634.    |           | mg/l  | 7.00    | 2.30    | 100             | 03/05/14 01:05 | 03/07/14 14:44 | NA          | 1,6020A           | KL      |
| Manganese, Dissolved | 0.1678  |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/05/14 09:25 | 03/05/14 11:52 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Dissolved    | 0.00596 | J         | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Potassium, Dissolved | 241.    |           | mg/l  | 2.00    | 0.540   | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Selenium, Dissolved  | ND      |           | mg/l  | 0.100   | 0.00600 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Silver, Dissolved    | 0.00610 | J         | mg/l  | 0.00800 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Sodium, Dissolved    | 4780    |           | mg/l  | 10.0    | 1.50    | 100             | 03/05/14 01:05 | 03/07/14 14:44 | NA          | 1,6020A           | KL      |
| Thallium, Dissolved  | ND      |           | mg/l  | 0.01000 | 0.00060 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Vanadium, Dissolved  | ND      |           | mg/l  | 0.1000  | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |
| Zinc, Dissolved      | 0.04312 | J         | mg/l  | 0.2000  | 0.02400 | 20              | 03/05/14 01:05 | 03/07/14 14:40 | NA          | 1,6020A           | KL      |



**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

**SAMPLE RESULTS**

**Lab ID:** L1404475-05  
**Client ID:** SB1 (0-5)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Percent Solids:** 88%

**Date Collected:** 03/02/14 17:45  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                      | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |        |           |       |      |      |                 |                |                |             |                   |         |
| Aluminum, Total                | 6800   |           | mg/kg | 8.8  | 1.8  | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Antimony, Total                | ND     |           | mg/kg | 4.4  | 0.70 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Arsenic, Total                 | 9.3    |           | mg/kg | 0.88 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Barium, Total                  | 52     |           | mg/kg | 0.88 | 0.26 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Beryllium, Total               | 0.33   | J         | mg/kg | 0.44 | 0.09 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Cadmium, Total                 | 2.2    |           | mg/kg | 0.88 | 0.06 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Calcium, Total                 | 15000  |           | mg/kg | 8.8  | 2.6  | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Chromium, Total                | 9.6    |           | mg/kg | 0.88 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Cobalt, Total                  | 5.7    |           | mg/kg | 1.8  | 0.44 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Copper, Total                  | 40     |           | mg/kg | 0.88 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Iron, Total                    | 46000  |           | mg/kg | 220  | 88.  | 100             | 03/06/14 08:33 | 03/07/14 20:10 | EPA 3050B   | 1,6010C           | JH      |
| Lead, Total                    | 140    |           | mg/kg | 4.4  | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Magnesium, Total               | 3000   |           | mg/kg | 8.8  | 0.88 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Manganese, Total               | 260    |           | mg/kg | 0.88 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Mercury, Total                 | 1.0    |           | mg/kg | 0.07 | 0.02 | 1               | 03/06/14 08:56 | 03/06/14 11:54 | EPA 7471B   | 1,7471B           | MC      |
| Nickel, Total                  | 12     |           | mg/kg | 2.2  | 0.35 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Potassium, Total               | 680    |           | mg/kg | 220  | 35.  | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Selenium, Total                | 0.84   | J         | mg/kg | 1.8  | 0.26 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Silver, Total                  | ND     |           | mg/kg | 0.88 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Sodium, Total                  | 780    |           | mg/kg | 180  | 26.  | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Thallium, Total                | ND     |           | mg/kg | 1.8  | 0.35 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Vanadium, Total                | 15     |           | mg/kg | 0.88 | 0.09 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |
| Zinc, Total                    | 85     |           | mg/kg | 4.4  | 0.62 | 2               | 03/06/14 08:33 | 03/07/14 18:12 | EPA 3050B   | 1,6010C           | JH      |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-06

Date Collected: 03/02/14 18:30

Client ID: SB6 (0-5)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

| Parameter                      | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |        |           |       |      |      |                 |                |                |             |                   |         |
| Aluminum, Total                | 12000  |           | mg/kg | 7.8  | 1.6  | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Antimony, Total                | ND     |           | mg/kg | 3.9  | 0.62 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Arsenic, Total                 | 1.4    |           | mg/kg | 0.78 | 0.16 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Barium, Total                  | 55     |           | mg/kg | 0.78 | 0.23 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Beryllium, Total               | 0.69   |           | mg/kg | 0.39 | 0.08 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Cadmium, Total                 | 0.90   |           | mg/kg | 0.78 | 0.06 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Calcium, Total                 | 11000  |           | mg/kg | 7.8  | 2.3  | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Chromium, Total                | 53     |           | mg/kg | 0.78 | 0.16 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Cobalt, Total                  | 4.6    |           | mg/kg | 1.6  | 0.39 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Copper, Total                  | 18     |           | mg/kg | 0.78 | 0.16 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Iron, Total                    | 15000  |           | mg/kg | 3.9  | 1.6  | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Lead, Total                    | 46     |           | mg/kg | 3.9  | 0.16 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Magnesium, Total               | 3600   |           | mg/kg | 7.8  | 0.78 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Manganese, Total               | 91     |           | mg/kg | 0.78 | 0.16 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Mercury, Total                 | 0.17   |           | mg/kg | 0.07 | 0.02 | 1               | 03/06/14 08:56 | 03/06/14 12:00 | EPA 7471B   | 1,7471B           | MC      |
| Nickel, Total                  | 11     |           | mg/kg | 2.0  | 0.31 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Potassium, Total               | 1200   |           | mg/kg | 200  | 31.  | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Selenium, Total                | ND     |           | mg/kg | 1.6  | 0.23 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Silver, Total                  | ND     |           | mg/kg | 0.78 | 0.16 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Sodium, Total                  | 310    |           | mg/kg | 160  | 23.  | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Thallium, Total                | ND     |           | mg/kg | 1.6  | 0.31 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Vanadium, Total                | 15     |           | mg/kg | 0.78 | 0.08 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |
| Zinc, Total                    | 65     |           | mg/kg | 3.9  | 0.55 | 2               | 03/06/14 08:33 | 03/07/14 18:16 | EPA 3050B   | 1,6010C           | JH      |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-07

Date Collected: 03/02/14 18:55

Client ID: TMW1

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

| Parameter                      | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Total                | 0.0841  |           | mg/l  | 0.0100  | 0.00200 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Antimony, Total                | 0.00378 | J         | mg/l  | 0.00650 | 0.00010 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Arsenic, Total                 | 0.00048 | J         | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Barium, Total                  | 0.05353 |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Beryllium, Total               | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Cadmium, Total                 | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Calcium, Total                 | 66.4    |           | mg/l  | 2.00    | 0.640   | 20              | 03/05/14 12:33 | 03/07/14 16:29 | EPA 3005A   | 1,6020A           | KL      |
| Chromium, Total                | 0.00058 | J         | mg/l  | 0.00100 | 0.00020 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Cobalt, Total                  | 0.00307 |           | mg/l  | 0.00020 | 0.00010 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Copper, Total                  | 0.00070 | J         | mg/l  | 0.00100 | 0.00010 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Iron, Total                    | 0.173   |           | mg/l  | 0.0500  | 0.0130  | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Lead, Total                    | 0.00058 | J         | mg/l  | 0.00100 | 0.00020 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Magnesium, Total               | 18.0    |           | mg/l  | 1.40    | 0.460   | 20              | 03/05/14 12:33 | 03/07/14 16:29 | EPA 3005A   | 1,6020A           | KL      |
| Manganese, Total               | 2.816   |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 16:29 | EPA 3005A   | 1,6020A           | KL      |
| Mercury, Total                 | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/05/14 07:51 | 03/05/14 10:53 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Total                  | 0.00354 |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Potassium, Total               | 3.62    |           | mg/l  | 0.100   | 0.0270  | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Selenium, Total                | 0.00270 | J         | mg/l  | 0.00500 | 0.00030 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Silver, Total                  | ND      |           | mg/l  | 0.00040 | 0.00010 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Sodium, Total                  | 80.2    |           | mg/l  | 2.00    | 0.300   | 20              | 03/05/14 12:33 | 03/07/14 16:29 | EPA 3005A   | 1,6020A           | KL      |
| Thallium, Total                | ND      |           | mg/l  | 0.00050 | 0.00003 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Vanadium, Total                | 0.00052 | J         | mg/l  | 0.00500 | 0.00010 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |
| Zinc, Total                    | 0.01010 |           | mg/l  | 0.01000 | 0.00120 | 1               | 03/05/14 12:33 | 03/07/14 16:25 | EPA 3005A   | 1,6020A           | KL      |

## Dissolved Metals - Westborough Lab

|                      |         |   |      |         |         |   |                |                |    |         |    |
|----------------------|---------|---|------|---------|---------|---|----------------|----------------|----|---------|----|
| Aluminum, Dissolved  | 0.00343 | J | mg/l | 0.0100  | 0.00200 | 1 | 03/05/14 01:05 | 03/07/14 14:51 | NA | 1,6020A | KL |
| Antimony, Dissolved  | 0.00743 |   | mg/l | 0.00650 | 0.00010 | 1 | 03/05/14 01:05 | 03/07/14 14:51 | NA | 1,6020A | KL |
| Arsenic, Dissolved   | 0.00026 | J | mg/l | 0.00050 | 0.00020 | 1 | 03/05/14 01:05 | 03/07/14 14:51 | NA | 1,6020A | KL |
| Barium, Dissolved    | 0.04979 |   | mg/l | 0.00050 | 0.00010 | 1 | 03/05/14 01:05 | 03/07/14 14:51 | NA | 1,6020A | KL |
| Beryllium, Dissolved | ND      |   | mg/l | 0.00050 | 0.00010 | 1 | 03/05/14 01:05 | 03/07/14 14:51 | NA | 1,6020A | KL |
| Cadmium, Dissolved   | ND      |   | mg/l | 0.00020 | 0.00005 | 1 | 03/05/14 01:05 | 03/07/14 14:51 | NA | 1,6020A | KL |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-07

Date Collected: 03/02/14 18:55

Client ID: TMW1

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Calcium, Dissolved   | 61.1    |           | mg/l  | 2.00    | 0.640   | 20              | 03/05/14 01:05 | 03/07/14 14:48 | NA          | 1,6020A           | KL      |
| Chromium, Dissolved  | 0.00026 | J         | mg/l  | 0.00100 | 0.00020 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Cobalt, Dissolved    | 0.00268 |           | mg/l  | 0.00020 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Copper, Dissolved    | 0.00031 | J         | mg/l  | 0.00100 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Iron, Dissolved      | ND      |           | mg/l  | 0.0500  | 0.0130  | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Lead, Dissolved      | ND      |           | mg/l  | 0.00100 | 0.00020 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Magnesium, Dissolved | 17.1    |           | mg/l  | 1.40    | 0.460   | 20              | 03/05/14 01:05 | 03/07/14 14:48 | NA          | 1,6020A           | KL      |
| Manganese, Dissolved | 2.614   |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 01:05 | 03/07/14 14:48 | NA          | 1,6020A           | KL      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/05/14 09:25 | 03/05/14 11:58 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Dissolved    | 0.00322 |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Potassium, Dissolved | 3.37    |           | mg/l  | 0.100   | 0.0270  | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Selenium, Dissolved  | 0.00221 | J         | mg/l  | 0.00500 | 0.00030 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Silver, Dissolved    | ND      |           | mg/l  | 0.00040 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Sodium, Dissolved    | 74.2    |           | mg/l  | 2.00    | 0.300   | 20              | 03/05/14 01:05 | 03/07/14 14:48 | NA          | 1,6020A           | KL      |
| Thallium, Dissolved  | ND      |           | mg/l  | 0.00050 | 0.00003 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Vanadium, Dissolved  | 0.00024 | J         | mg/l  | 0.00500 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |
| Zinc, Dissolved      | 0.00212 | J         | mg/l  | 0.01000 | 0.00120 | 1               | 03/05/14 01:05 | 03/07/14 14:51 | NA          | 1,6020A           | KL      |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-08

Date Collected: 03/02/14 18:55

Client ID: SB7 (2-5)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

| Parameter                      | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |        |           |       |      |      |                 |                |                |             |                   |         |
| Aluminum, Total                | 6800   |           | mg/kg | 9.2  | 1.8  | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Antimony, Total                | ND     |           | mg/kg | 4.6  | 0.74 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Arsenic, Total                 | 18     |           | mg/kg | 0.92 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Barium, Total                  | 580    |           | mg/kg | 0.92 | 0.28 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Beryllium, Total               | 0.29   | J         | mg/kg | 0.46 | 0.09 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Cadmium, Total                 | 1.6    |           | mg/kg | 0.92 | 0.06 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Calcium, Total                 | 22000  |           | mg/kg | 9.2  | 2.8  | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Chromium, Total                | 23     |           | mg/kg | 0.92 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Cobalt, Total                  | 6.1    |           | mg/kg | 1.8  | 0.46 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Copper, Total                  | 66     |           | mg/kg | 0.92 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Iron, Total                    | 17000  |           | mg/kg | 4.6  | 1.8  | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Lead, Total                    | 940    |           | mg/kg | 4.6  | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Magnesium, Total               | 2800   |           | mg/kg | 9.2  | 0.92 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Manganese, Total               | 260    |           | mg/kg | 0.92 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Mercury, Total                 | 1.8    |           | mg/kg | 0.08 | 0.02 | 1               | 03/06/14 08:56 | 03/06/14 12:01 | EPA 7471B   | 1,7471B           | MC      |
| Nickel, Total                  | 21     |           | mg/kg | 2.3  | 0.37 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Potassium, Total               | 1000   |           | mg/kg | 230  | 37.  | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Selenium, Total                | 2.4    |           | mg/kg | 1.8  | 0.28 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Silver, Total                  | ND     |           | mg/kg | 0.92 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Sodium, Total                  | 430    |           | mg/kg | 180  | 28.  | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Thallium, Total                | ND     |           | mg/kg | 1.8  | 0.37 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Vanadium, Total                | 20     |           | mg/kg | 0.92 | 0.09 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |
| Zinc, Total                    | 560    |           | mg/kg | 4.6  | 0.64 | 2               | 03/06/14 08:33 | 03/07/14 18:20 | EPA 3050B   | 1,6010C           | JH      |





Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404475-10

Date Collected: 03/04/14 08:35

Client ID: SB8 (5-7)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

| Parameter                      | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |        |           |       |      |      |                 |                |                |             |                   |         |
| Aluminum, Total                | 9900   |           | mg/kg | 9.0  | 1.8  | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Antimony, Total                | ND     |           | mg/kg | 4.5  | 0.72 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Arsenic, Total                 | 2.2    |           | mg/kg | 0.90 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Barium, Total                  | 41     |           | mg/kg | 0.90 | 0.27 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Beryllium, Total               | 0.48   |           | mg/kg | 0.45 | 0.09 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Cadmium, Total                 | 0.86   | J         | mg/kg | 0.90 | 0.06 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Calcium, Total                 | 24000  |           | mg/kg | 9.0  | 2.7  | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Chromium, Total                | 13     |           | mg/kg | 0.90 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Cobalt, Total                  | 4.9    |           | mg/kg | 1.8  | 0.45 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Copper, Total                  | 13     |           | mg/kg | 0.90 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Iron, Total                    | 16000  |           | mg/kg | 4.5  | 1.8  | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Lead, Total                    | 24     |           | mg/kg | 4.5  | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Magnesium, Total               | 1400   |           | mg/kg | 9.0  | 0.90 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Manganese, Total               | 430    |           | mg/kg | 0.90 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Mercury, Total                 | ND     |           | mg/kg | 0.08 | 0.02 | 1               | 03/06/14 08:56 | 03/06/14 12:03 | EPA 7471B   | 1,7471B           | MC      |
| Nickel, Total                  | 8.8    |           | mg/kg | 2.2  | 0.36 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Potassium, Total               | 590    |           | mg/kg | 220  | 36.  | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Selenium, Total                | ND     |           | mg/kg | 1.8  | 0.27 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Silver, Total                  | ND     |           | mg/kg | 0.90 | 0.18 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Sodium, Total                  | 290    |           | mg/kg | 180  | 27.  | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Thallium, Total                | ND     |           | mg/kg | 1.8  | 0.36 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Vanadium, Total                | 22     |           | mg/kg | 0.90 | 0.09 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |
| Zinc, Total                    | 24     |           | mg/kg | 4.5  | 0.63 | 2               | 03/06/14 08:33 | 03/07/14 18:24 | EPA 3050B   | 1,6010C           | JH      |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## Method Blank Analysis Batch Quality Control

| Parameter                                                                | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Westborough Lab for sample(s): 02,04,07 Batch: WG673663-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Total                                                           | ND     |           | mg/l  | 0.00020 | 0.00006 | 1                  | 03/05/14 07:51   | 03/05/14 10:42   | 1,7470A              | AK      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01,03,05-06,08,10 Batch: WG673687-1 |        |           |       |      |      |                    |                  |                  |                      |         |
| Mercury, Total                                                                    | ND     |           | mg/kg | 0.08 | 0.02 | 1                  | 03/06/14 08:56   | 03/06/14 11:39   | 1,7471B              | MC      |

### Prep Information

Digestion Method: EPA 7471B

| Parameter                                                                    | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Dissolved Metals - Westborough Lab for sample(s): 02,04,07 Batch: WG673713-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Dissolved                                                           | ND     |           | mg/l  | 0.00020 | 0.00006 | 1                  | 03/05/14 09:25   | 03/05/14 11:41   | 1,7470A              | AK      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                                | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Westborough Lab for sample(s): 02,04,07 Batch: WG673762-1 |         |           |       |         |         |                    |                  |                  |                      |         |
| Aluminum, Total                                                          | ND      |           | mg/l  | 0.0100  | 0.00200 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Antimony, Total                                                          | 0.00551 | J         | mg/l  | 0.00650 | 0.00010 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Arsenic, Total                                                           | 0.00021 | J         | mg/l  | 0.00050 | 0.00010 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Barium, Total                                                            | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Beryllium, Total                                                         | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Cadmium, Total                                                           | ND      |           | mg/l  | 0.00020 | 0.00005 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## Method Blank Analysis Batch Quality Control

|                  |         |   |      |         |         |   |                |                |         |    |
|------------------|---------|---|------|---------|---------|---|----------------|----------------|---------|----|
| Calcium, Total   | ND      |   | mg/l | 0.100   | 0.0320  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Chromium, Total  | ND      |   | mg/l | 0.00100 | 0.00020 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Cobalt, Total    | ND      |   | mg/l | 0.00020 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Copper, Total    | ND      |   | mg/l | 0.00100 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Iron, Total      | ND      |   | mg/l | 0.0500  | 0.0130  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Lead, Total      | ND      |   | mg/l | 0.00100 | 0.00020 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Magnesium, Total | ND      |   | mg/l | 0.0700  | 0.0230  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Manganese, Total | ND      |   | mg/l | 0.00050 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Nickel, Total    | ND      |   | mg/l | 0.00050 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Potassium, Total | ND      |   | mg/l | 0.100   | 0.0270  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Selenium, Total  | ND      |   | mg/l | 0.00500 | 0.00030 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Silver, Total    | ND      |   | mg/l | 0.00040 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Sodium, Total    | ND      |   | mg/l | 0.100   | 0.0150  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Thallium, Total  | ND      |   | mg/l | 0.00050 | 0.00003 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Vanadium, Total  | ND      |   | mg/l | 0.00500 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Zinc, Total      | 0.00248 | J | mg/l | 0.01000 | 0.00120 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |

### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                                    | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|------------------------------------------------------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------------|---------|
| Dissolved Metals - Westborough Lab for sample(s): 02,04,07 Batch: WG673797-1 |         |           |       |         |         |                 |                |                |                   |         |
| Aluminum, Dissolved                                                          | ND      |           | mg/l  | 0.0100  | 0.00200 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Antimony, Dissolved                                                          | 0.00624 | J         | mg/l  | 0.00650 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Arsenic, Dissolved                                                           | 0.00027 | J         | mg/l  | 0.00050 | 0.00020 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Barium, Dissolved                                                            | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Beryllium, Dissolved                                                         | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Cadmium, Dissolved                                                           | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Calcium, Dissolved                                                           | ND      |           | mg/l  | 0.100   | 0.0320  | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Chromium, Dissolved                                                          | ND      |           | mg/l  | 0.00100 | 0.00020 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Cobalt, Dissolved                                                            | ND      |           | mg/l  | 0.00020 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Copper, Dissolved                                                            | ND      |           | mg/l  | 0.00100 | 0.00010 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Iron, Dissolved                                                              | ND      |           | mg/l  | 0.0500  | 0.0130  | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Lead, Dissolved                                                              | ND      |           | mg/l  | 0.00100 | 0.00020 | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |
| Magnesium, Dissolved                                                         | ND      |           | mg/l  | 0.0700  | 0.0230  | 1               | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A           | KL      |



Project Name: 470 KENT AVENUE

Lab Number: L1404475

Project Number: 470K

Report Date: 03/11/14

## Method Blank Analysis Batch Quality Control

|                      |         |   |      |         |         |   |                |                |         |    |
|----------------------|---------|---|------|---------|---------|---|----------------|----------------|---------|----|
| Manganese, Dissolved | ND      |   | mg/l | 0.00050 | 0.00010 | 1 | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A | KL |
| Nickel, Dissolved    | ND      |   | mg/l | 0.00050 | 0.00010 | 1 | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A | KL |
| Potassium, Dissolved | ND      |   | mg/l | 0.100   | 0.0270  | 1 | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A | KL |
| Selenium, Dissolved  | ND      |   | mg/l | 0.00500 | 0.00030 | 1 | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A | KL |
| Silver, Dissolved    | ND      |   | mg/l | 0.00040 | 0.00010 | 1 | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A | KL |
| Sodium, Dissolved    | ND      |   | mg/l | 0.100   | 0.0150  | 1 | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A | KL |
| Thallium, Dissolved  | ND      |   | mg/l | 0.00050 | 0.00003 | 1 | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A | KL |
| Vanadium, Dissolved  | ND      |   | mg/l | 0.00500 | 0.00010 | 1 | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A | KL |
| Zinc, Dissolved      | 0.00808 | J | mg/l | 0.01000 | 0.00120 | 1 | 03/05/14 01:05 | 03/07/14 13:29 | 1,6020A | KL |

### Prep Information

Digestion Method: NA

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01,03,05-06,08,10 Batch: WG673910-1 |        |           |       |      |      |                 |                |                |                   |         |
| Aluminum, Total                                                                   | ND     |           | mg/kg | 4.0  | 0.80 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Antimony, Total                                                                   | ND     |           | mg/kg | 2.0  | 0.32 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Arsenic, Total                                                                    | ND     |           | mg/kg | 0.40 | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Barium, Total                                                                     | ND     |           | mg/kg | 0.40 | 0.12 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Beryllium, Total                                                                  | ND     |           | mg/kg | 0.20 | 0.04 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Cadmium, Total                                                                    | ND     |           | mg/kg | 0.40 | 0.03 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Calcium, Total                                                                    | ND     |           | mg/kg | 4.0  | 1.2  | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Chromium, Total                                                                   | ND     |           | mg/kg | 0.40 | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Cobalt, Total                                                                     | ND     |           | mg/kg | 0.80 | 0.20 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Copper, Total                                                                     | ND     |           | mg/kg | 0.40 | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Iron, Total                                                                       | 1.4    | J         | mg/kg | 2.0  | 0.80 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Lead, Total                                                                       | ND     |           | mg/kg | 2.0  | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Magnesium, Total                                                                  | ND     |           | mg/kg | 4.0  | 0.40 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Manganese, Total                                                                  | 0.10   | J         | mg/kg | 0.40 | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Nickel, Total                                                                     | ND     |           | mg/kg | 1.0  | 0.16 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Potassium, Total                                                                  | ND     |           | mg/kg | 100  | 16.  | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Selenium, Total                                                                   | ND     |           | mg/kg | 0.80 | 0.12 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Silver, Total                                                                     | ND     |           | mg/kg | 0.40 | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Sodium, Total                                                                     | ND     |           | mg/kg | 80   | 12.  | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Thallium, Total                                                                   | ND     |           | mg/kg | 0.80 | 0.16 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14

## Method Blank Analysis Batch Quality Control

|                 |    |       |      |      |   |                |                |         |    |
|-----------------|----|-------|------|------|---|----------------|----------------|---------|----|
| Vanadium, Total | ND | mg/kg | 0.40 | 0.04 | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |
| Zinc, Total     | ND | mg/kg | 2.0  | 0.28 | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |

### Prep Information

Digestion Method: EPA 3050B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673663-2                                     |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                                      | 100              |      | -                 |      | 80-120              | -   |      |            |
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673687-2 SRM Lot Number: 0518-10-02 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                                      | 117              |      | -                 |      | 67-133              | -   |      |            |
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673713-2                                 |                  |      |                   |      |                     |     |      |            |
| Mercury, Dissolved                                                                                                  | 100              |      | -                 |      | 70-130              | -   |      |            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                       | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673762-2 |                  |                   |                     |     |            |
| Aluminum, Total                                                                 | 107              | -                 | 80-120              | -   |            |
| Antimony, Total                                                                 | 102              | -                 | 80-120              | -   |            |
| Arsenic, Total                                                                  | 102              | -                 | 80-120              | -   |            |
| Barium, Total                                                                   | 99               | -                 | 80-120              | -   |            |
| Beryllium, Total                                                                | 107              | -                 | 80-120              | -   |            |
| Cadmium, Total                                                                  | 112              | -                 | 80-120              | -   |            |
| Calcium, Total                                                                  | 104              | -                 | 80-120              | -   |            |
| Chromium, Total                                                                 | 102              | -                 | 80-120              | -   |            |
| Cobalt, Total                                                                   | 106              | -                 | 80-120              | -   |            |
| Copper, Total                                                                   | 107              | -                 | 80-120              | -   |            |
| Iron, Total                                                                     | 100              | -                 | 80-120              | -   |            |
| Lead, Total                                                                     | 102              | -                 | 80-120              | -   |            |
| Magnesium, Total                                                                | 108              | -                 | 80-120              | -   |            |
| Manganese, Total                                                                | 104              | -                 | 80-120              | -   |            |
| Nickel, Total                                                                   | 108              | -                 | 80-120              | -   |            |
| Potassium, Total                                                                | 103              | -                 | 80-120              | -   |            |
| Selenium, Total                                                                 | 112              | -                 | 80-120              | -   |            |
| Silver, Total                                                                   | 96               | -                 | 80-120              | -   |            |
| Sodium, Total                                                                   | 97               | -                 | 80-120              | -   |            |
| Thallium, Total                                                                 | 91               | -                 | 80-120              | -   |            |
| Vanadium, Total                                                                 | 104              | -                 | 80-120              | -   |            |

**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14

| Parameter                                                                       | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673762-2 |                  |                   |                     |     |            |
| Zinc, Total                                                                     | 112              | -                 | 80-120              | -   |            |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                           | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673797-2 |                  |                   |                     |     |            |
| Aluminum, Dissolved                                                                 | 103              | -                 | 80-120              | -   |            |
| Antimony, Dissolved                                                                 | 96               | -                 | 80-120              | -   |            |
| Arsenic, Dissolved                                                                  | 98               | -                 | 80-120              | -   |            |
| Barium, Dissolved                                                                   | 94               | -                 | 80-120              | -   |            |
| Beryllium, Dissolved                                                                | 104              | -                 | 80-120              | -   |            |
| Cadmium, Dissolved                                                                  | 105              | -                 | 80-120              | -   |            |
| Calcium, Dissolved                                                                  | 101              | -                 | 80-120              | -   |            |
| Chromium, Dissolved                                                                 | 100              | -                 | 80-120              | -   |            |
| Cobalt, Dissolved                                                                   | 102              | -                 | 80-120              | -   |            |
| Copper, Dissolved                                                                   | 103              | -                 | 80-120              | -   |            |
| Iron, Dissolved                                                                     | 96               | -                 | 80-120              | -   |            |
| Lead, Dissolved                                                                     | 99               | -                 | 80-120              | -   |            |
| Magnesium, Dissolved                                                                | 102              | -                 | 80-120              | -   |            |
| Manganese, Dissolved                                                                | 99               | -                 | 80-120              | -   |            |
| Nickel, Dissolved                                                                   | 103              | -                 | 80-120              | -   |            |
| Potassium, Dissolved                                                                | 96               | -                 | 80-120              | -   |            |
| Selenium, Dissolved                                                                 | 105              | -                 | 80-120              | -   |            |
| Silver, Dissolved                                                                   | 92               | -                 | 80-120              | -   |            |
| Sodium, Dissolved                                                                   | 102              | -                 | 80-120              | -   |            |
| Thallium, Dissolved                                                                 | 86               | -                 | 80-120              | -   |            |
| Vanadium, Dissolved                                                                 | 102              | -                 | 80-120              | -   |            |

**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14

| Parameter                                                                           | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 Batch: WG673797-2 |                  |                   |                     |     |            |
| Zinc, Dissolved                                                                     | 105              | -                 | 80-120              | -   |            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                           | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673910-2 SRM Lot Number: 0518-10-02 |                  |                   |                     |     |            |
| Aluminum, Total                                                                                                     | 92               | -                 | 29-171              | -   |            |
| Antimony, Total                                                                                                     | 112              | -                 | 4-196               | -   |            |
| Arsenic, Total                                                                                                      | 94               | -                 | 81-119              | -   |            |
| Barium, Total                                                                                                       | 92               | -                 | 83-118              | -   |            |
| Beryllium, Total                                                                                                    | 98               | -                 | 83-117              | -   |            |
| Cadmium, Total                                                                                                      | 89               | -                 | 82-117              | -   |            |
| Calcium, Total                                                                                                      | 98               | -                 | 83-117              | -   |            |
| Chromium, Total                                                                                                     | 97               | -                 | 80-119              | -   |            |
| Cobalt, Total                                                                                                       | 90               | -                 | 83-117              | -   |            |
| Copper, Total                                                                                                       | 101              | -                 | 83-117              | -   |            |
| Iron, Total                                                                                                         | 94               | -                 | 51-150              | -   |            |
| Lead, Total                                                                                                         | 83               | -                 | 80-120              | -   |            |
| Magnesium, Total                                                                                                    | 83               | -                 | 74-126              | -   |            |
| Manganese, Total                                                                                                    | 95               | -                 | 83-117              | -   |            |
| Nickel, Total                                                                                                       | 88               | -                 | 82-117              | -   |            |
| Potassium, Total                                                                                                    | 107              | -                 | 74-126              | -   |            |
| Selenium, Total                                                                                                     | 88               | -                 | 80-120              | -   |            |
| Silver, Total                                                                                                       | 96               | -                 | 66-134              | -   |            |
| Sodium, Total                                                                                                       | 112              | -                 | 74-127              | -   |            |
| Thallium, Total                                                                                                     | 82               | -                 | 79-120              | -   |            |
| Vanadium, Total                                                                                                     | 89               | -                 | 79-121              | -   |            |

**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14

| Parameter                                                                                                           | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 Batch: WG673910-2 SRM Lot Number: 0518-10-02 |                  |                   |                     |     |            |
| Zinc, Total                                                                                                         | 94               | -                 | 82-119              | -   |            |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

| Parameter                                                                                                                                  | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673663-4 QC Sample: L1404475-02 Client ID: TMW3               |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Total                                                                                                                             | ND            | 0.005    | 0.00499  | 100          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 QC Batch ID: WG673687-4 QC Sample: L1404455-03 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Total                                                                                                                             | 0.79          | 0.191    | 1.1      | 162          | Q    | -         | -             |      | 80-120          | -   |      | 35         |
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673713-4 QC Sample: L1404493-02 Client ID: MS Sample      |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Dissolved                                                                                                                         | ND            | 0.005    | 0.00535  | 107          |      | -         | -             |      | 75-125          | -   |      | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

| Parameter                                                                                                                         | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673762-4 QC Sample: L1404493-02 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total                                                                                                                   | 0.688         | 2        | 2.92     | 112          | -         | -             | 75-125          | -   | 20         |
| Antimony, Total                                                                                                                   | 0.02308J      | 0.5      | 0.5206   | 104          | -         | -             | 75-125          | -   | 20         |
| Arsenic, Total                                                                                                                    | 0.00356J      | 0.12     | 0.1363   | 114          | -         | -             | 75-125          | -   | 20         |
| Barium, Total                                                                                                                     | 1.073         | 2        | 3.010    | 97           | -         | -             | 75-125          | -   | 20         |
| Beryllium, Total                                                                                                                  | ND            | 0.05     | 0.05360  | 107          | -         | -             | 75-125          | -   | 20         |
| Cadmium, Total                                                                                                                    | ND            | 0.051    | 0.05524  | 108          | -         | -             | 75-125          | -   | 20         |
| Calcium, Total                                                                                                                    | 401.          | 10       | 385      | 0            | Q         | -             | 75-125          | -   | 20         |
| Chromium, Total                                                                                                                   | ND            | 0.2      | 0.2080   | 104          | -         | -             | 75-125          | -   | 20         |
| Cobalt, Total                                                                                                                     | ND            | 0.5      | 0.5372   | 107          | -         | -             | 75-125          | -   | 20         |
| Copper, Total                                                                                                                     | ND            | 0.25     | 0.2722   | 109          | -         | -             | 75-125          | -   | 20         |
| Iron, Total                                                                                                                       | 0.901J        | 1        | 1.87     | 187          | Q         | -             | 75-125          | -   | 20         |
| Lead, Total                                                                                                                       | ND            | 0.51     | 0.5448   | 107          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Total                                                                                                                  | 10.4          | 10       | 21.1     | 107          | -         | -             | 75-125          | -   | 20         |
| Manganese, Total                                                                                                                  | 0.07978       | 0.5      | 0.6032   | 105          | -         | -             | 75-125          | -   | 20         |
| Nickel, Total                                                                                                                     | ND            | 0.5      | 0.5330   | 107          | -         | -             | 75-125          | -   | 20         |
| Potassium, Total                                                                                                                  | 7.96          | 10       | 18.2     | 102          | -         | -             | 75-125          | -   | 20         |
| Selenium, Total                                                                                                                   | ND            | 0.12     | 0.131    | 109          | -         | -             | 75-125          | -   | 20         |
| Silver, Total                                                                                                                     | ND            | 0.05     | 0.04856  | 97           | -         | -             | 75-125          | -   | 20         |
| Sodium, Total                                                                                                                     | 948.          | 10       | 1010     | 620          | Q         | -             | 75-125          | -   | 20         |
| Thallium, Total                                                                                                                   | ND            | 0.12     | 0.1150   | 96           | -         | -             | 75-125          | -   | 20         |
| Vanadium, Total                                                                                                                   | ND            | 0.5      | 0.5462   | 109          | -         | -             | 75-125          | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Lab Number:** L1404475

**Project Number:** 470K

**Report Date:** 03/11/14

| Parameter                                                                                                                         | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673762-4 QC Sample: L1404493-02 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Zinc, Total                                                                                                                       | ND            | 0.5      | 0.5378   | 108          | -         | -             | 75-125          | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

| Parameter                                                                                                                        | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673797-4 QC Sample: L1404475-02 Client ID: TMW3 |               |          |          |              |           |               |                 |     |            |
| Aluminum, Dissolved                                                                                                              | ND            | 2        | 2.36     | 118          | -         | -             | 75-125          | -   | 20         |
| Antimony, Dissolved                                                                                                              | 0.04380J      | 0.5      | 0.4104   | 82           | -         | -             | 75-125          | -   | 20         |
| Arsenic, Dissolved                                                                                                               | 0.00470J      | 0.12     | 0.1415   | 118          | -         | -             | 75-125          | -   | 20         |
| Barium, Dissolved                                                                                                                | 0.05420       | 2        | 2.276    | 111          | -         | -             | 75-125          | -   | 20         |
| Beryllium, Dissolved                                                                                                             | ND            | 0.05     | 0.05642  | 113          | -         | -             | 75-125          | -   | 20         |
| Cadmium, Dissolved                                                                                                               | ND            | 0.051    | 0.05548  | 109          | -         | -             | 75-125          | -   | 20         |
| Calcium, Dissolved                                                                                                               | 251.          | 10       | 273      | 220          | Q         | -             | 75-125          | -   | 20         |
| Chromium, Dissolved                                                                                                              | ND            | 0.2      | 0.2196   | 110          | -         | -             | 75-125          | -   | 20         |
| Cobalt, Dissolved                                                                                                                | 0.00266J      | 0.5      | 0.5606   | 112          | -         | -             | 75-125          | -   | 20         |
| Copper, Dissolved                                                                                                                | 0.00460J      | 0.25     | 0.2774   | 111          | -         | -             | 75-125          | -   | 20         |
| Iron, Dissolved                                                                                                                  | ND            | 1        | 1.01     | 101          | -         | -             | 75-125          | -   | 20         |
| Lead, Dissolved                                                                                                                  | ND            | 0.51     | 0.5946   | 116          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Dissolved                                                                                                             | 494.          | 10       | 448      | 0            | Q         | -             | 75-125          | -   | 20         |
| Manganese, Dissolved                                                                                                             | 0.2782        | 0.5      | 0.8400   | 112          | -         | -             | 75-125          | -   | 20         |
| Nickel, Dissolved                                                                                                                | 0.00724J      | 0.5      | 0.5560   | 111          | -         | -             | 75-125          | -   | 20         |
| Potassium, Dissolved                                                                                                             | 155.          | 10       | 177      | 220          | Q         | -             | 75-125          | -   | 20         |
| Selenium, Dissolved                                                                                                              | 0.0108J       | 0.12     | 0.134    | 112          | -         | -             | 75-125          | -   | 20         |
| Silver, Dissolved                                                                                                                | ND            | 0.05     | 0.05102  | 102          | -         | -             | 75-125          | -   | 20         |
| Sodium, Dissolved                                                                                                                | 3960          | 10       | 3590     | 0            | Q         | -             | 75-125          | -   | 20         |
| Thallium, Dissolved                                                                                                              | ND            | 0.12     | 0.1220   | 102          | -         | -             | 75-125          | -   | 20         |
| Vanadium, Dissolved                                                                                                              | ND            | 0.5      | 0.6012   | 120          | -         | -             | 75-125          | -   | 20         |



**Matrix Spike Analysis**  
**Batch Quality Control****Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14

| Parameter                                                                                                                        | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673797-4 QC Sample: L1404475-02 Client ID: TMW3 |               |          |          |              |           |               |                 |     |            |
| Zinc, Dissolved                                                                                                                  | 0.05416J      | 0.5      | 0.5616   | 112          | -         | -             | 75-125          | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

| Parameter                                                                                                                                   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 QC Batch ID: WG673910-4 QC Sample: L1404475-01 Client ID: SB3 (8-10) |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total                                                                                                                             | 2200          | 208      | 3900     | 819          | Q         | -             | 75-125          | -   | 35         |
| Antimony, Total                                                                                                                             | ND            | 51.9     | 45       | 87           |           | -             | 75-125          | -   | 35         |
| Arsenic, Total                                                                                                                              | 5.3           | 12.4     | 17       | 94           |           | -             | 75-125          | -   | 35         |
| Barium, Total                                                                                                                               | 85.           | 208      | 330      | 118          |           | -             | 75-125          | -   | 35         |
| Beryllium, Total                                                                                                                            | 0.19J         | 5.19     | 5.0      | 96           |           | -             | 75-125          | -   | 35         |
| Cadmium, Total                                                                                                                              | 1.8           | 5.29     | 5.7      | 74           | Q         | -             | 75-125          | -   | 35         |
| Calcium, Total                                                                                                                              | 6200          | 1040     | 4500     | 0            | Q         | -             | 75-125          | -   | 35         |
| Chromium, Total                                                                                                                             | 7.8           | 20.8     | 28       | 97           |           | -             | 75-125          | -   | 35         |
| Cobalt, Total                                                                                                                               | 7.3           | 51.9     | 52       | 86           |           | -             | 75-125          | -   | 35         |
| Copper, Total                                                                                                                               | 130           | 25.9     | 110      | 0            | Q         | -             | 75-125          | -   | 35         |
| Iron, Total                                                                                                                                 | 40000         | 104      | 24000    | 0            | Q         | -             | 75-125          | -   | 35         |
| Lead, Total                                                                                                                                 | 110           | 52.9     | 160      | 94           |           | -             | 75-125          | -   | 35         |
| Magnesium, Total                                                                                                                            | 550           | 1040     | 1500     | 92           |           | -             | 75-125          | -   | 35         |
| Manganese, Total                                                                                                                            | 270           | 51.9     | 270      | 0            | Q         | -             | 75-125          | -   | 35         |
| Nickel, Total                                                                                                                               | 11.           | 51.9     | 55       | 85           |           | -             | 75-125          | -   | 35         |
| Potassium, Total                                                                                                                            | 360           | 1040     | 1500     | 110          |           | -             | 75-125          | -   | 35         |
| Selenium, Total                                                                                                                             | 1.6J          | 12.4     | 11       | 88           |           | -             | 75-125          | -   | 35         |
| Silver, Total                                                                                                                               | 0.20J         | 31.1     | 28       | 90           |           | -             | 75-125          | -   | 35         |
| Sodium, Total                                                                                                                               | 1300          | 1040     | 2600     | 125          |           | -             | 75-125          | -   | 35         |
| Thallium, Total                                                                                                                             | ND            | 12.4     | 8.0      | 64           | Q         | -             | 75-125          | -   | 35         |
| Vanadium, Total                                                                                                                             | 12.           | 51.9     | 65       | 102          |           | -             | 75-125          | -   | 35         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                                                   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD    | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|--------|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 QC Batch ID: WG673910-4 QC Sample: L1404475-01 Client ID: SB3 (8-10) |               |          |          |              |           |               |                 |        |            |
| Zinc, Total                                                                                                                                 | 180           | 51.9     | 150      | 0            | Q         | -             | -               | 75-125 | - 35       |

# Lab Duplicate Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

| Parameter                                                                                                                                   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673663-3 QC Sample: L1404475-02 Client ID: TMW3                |               |                  |       |     |      |            |
| Mercury, Total                                                                                                                              | ND            | ND               | mg/l  | NC  |      | 20         |
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 QC Batch ID: WG673687-3 QC Sample: L1404455-03 Client ID: DUP Sample |               |                  |       |     |      |            |
| Mercury, Total                                                                                                                              | 0.79          | 1.8              | mg/kg | 78  | Q    | 35         |
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673713-3 QC Sample: L1404493-02 Client ID: DUP Sample      |               |                  |       |     |      |            |
| Mercury, Dissolved                                                                                                                          | ND            | ND               | mg/l  | NC  |      | 20         |

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1404475  
**Report Date:** 03/11/14

| Parameter                                                                                                                          | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673762-3 QC Sample: L1404493-02 Client ID: DUP Sample |               |                  |       |     |            |
| Aluminum, Total                                                                                                                    | 0.688         | 0.671            | mg/l  | 3   | 20         |
| Antimony, Total                                                                                                                    | 0.02308J      | 0.00788J         | mg/l  | NC  | 20         |
| Arsenic, Total                                                                                                                     | 0.00356J      | 0.00298J         | mg/l  | NC  | 20         |
| Barium, Total                                                                                                                      | 1.073         | 1.032            | mg/l  | 4   | 20         |
| Beryllium, Total                                                                                                                   | ND            | ND               | mg/l  | NC  | 20         |
| Cadmium, Total                                                                                                                     | ND            | ND               | mg/l  | NC  | 20         |
| Calcium, Total                                                                                                                     | 401.          | 380              | mg/l  | 5   | 20         |
| Chromium, Total                                                                                                                    | ND            | ND               | mg/l  | NC  | 20         |
| Cobalt, Total                                                                                                                      | ND            | ND               | mg/l  | NC  | 20         |
| Copper, Total                                                                                                                      | ND            | ND               | mg/l  | NC  | 20         |
| Iron, Total                                                                                                                        | 0.901J        | 0.848J           | mg/l  | NC  | 20         |
| Lead, Total                                                                                                                        | ND            | ND               | mg/l  | NC  | 20         |
| Magnesium, Total                                                                                                                   | 10.4          | 10.1             | mg/l  | 3   | 20         |
| Manganese, Total                                                                                                                   | 0.07978       | 0.08232          | mg/l  | 3   | 20         |
| Nickel, Total                                                                                                                      | ND            | ND               | mg/l  | NC  | 20         |
| Potassium, Total                                                                                                                   | 7.96          | 7.70             | mg/l  | 3   | 20         |
| Selenium, Total                                                                                                                    | ND            | ND               | mg/l  | NC  | 20         |
| Silver, Total                                                                                                                      | ND            | ND               | mg/l  | NC  | 20         |
| Thallium, Total                                                                                                                    | ND            | ND               | mg/l  | NC  | 20         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                                          | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673762-3 QC Sample: L1404493-02 Client ID: DUP Sample |               |                  |       |     |            |
| Vanadium, Total                                                                                                                    | ND            | 0.00222J         | mg/l  | NC  | 20         |
| Zinc, Total                                                                                                                        | ND            | ND               | mg/l  | NC  | 20         |
| Total Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673762-3 QC Sample: L1404493-02 Client ID: DUP Sample |               |                  |       |     |            |
| Sodium, Total                                                                                                                      | 948.          | 1010             | mg/l  | 6   | 20         |
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673797-3 QC Sample: L1404475-02 Client ID: TMW3   |               |                  |       |     |            |
| Magnesium, Dissolved                                                                                                               | 494.          | 532              | mg/l  | 7   | 20         |
| Sodium, Dissolved                                                                                                                  | 3960          | 4280             | mg/l  | 8   | 20         |

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1404475  
**Report Date:** 03/11/14

| Parameter                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673797-3 QC Sample: L1404475-02 Client ID: TMW3 |               |                  |       |     |            |
| Aluminum, Dissolved                                                                                                              | ND            | ND               | mg/l  | NC  | 20         |
| Antimony, Dissolved                                                                                                              | 0.04380J      | 0.01916J         | mg/l  | NC  | 20         |
| Arsenic, Dissolved                                                                                                               | 0.00470J      | ND               | mg/l  | NC  | 20         |
| Barium, Dissolved                                                                                                                | 0.05420       | 0.05898          | mg/l  | 8   | 20         |
| Beryllium, Dissolved                                                                                                             | ND            | ND               | mg/l  | NC  | 20         |
| Cadmium, Dissolved                                                                                                               | ND            | ND               | mg/l  | NC  | 20         |
| Calcium, Dissolved                                                                                                               | 251.          | 284              | mg/l  | 12  | 20         |
| Chromium, Dissolved                                                                                                              | ND            | ND               | mg/l  | NC  | 20         |
| Cobalt, Dissolved                                                                                                                | 0.00266J      | 0.00294J         | mg/l  | NC  | 20         |
| Copper, Dissolved                                                                                                                | 0.00460J      | 0.00562J         | mg/l  | NC  | 20         |
| Iron, Dissolved                                                                                                                  | ND            | ND               | mg/l  | NC  | 20         |
| Lead, Dissolved                                                                                                                  | ND            | ND               | mg/l  | NC  | 20         |
| Manganese, Dissolved                                                                                                             | 0.2782        | 0.3136           | mg/l  | 12  | 20         |
| Nickel, Dissolved                                                                                                                | 0.00724J      | 0.00812J         | mg/l  | NC  | 20         |
| Potassium, Dissolved                                                                                                             | 155.          | 175              | mg/l  | 12  | 20         |
| Selenium, Dissolved                                                                                                              | 0.0108J       | 0.0128J          | mg/l  | NC  | 20         |
| Silver, Dissolved                                                                                                                | ND            | ND               | mg/l  | NC  | 20         |
| Thallium, Dissolved                                                                                                              | ND            | ND               | mg/l  | NC  | 20         |
| Vanadium, Dissolved                                                                                                              | ND            | ND               | mg/l  | NC  | 20         |

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

| Parameter                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02,04,07 QC Batch ID: WG673797-3 QC Sample: L1404475-02 Client ID: TMW3 |               |                  |       |     |            |
| Zinc, Dissolved                                                                                                                  | 0.05416J      | 0.06170J         | mg/l  | NC  | 20         |



**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1404475  
**Report Date:** 03/11/14

| Parameter                                                                                                                                   | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 QC Batch ID: WG673910-3 QC Sample: L1404475-01 Client ID: SB3 (8-10) |               |                  |       |     |            |
| Aluminum, Total                                                                                                                             | 2200          | 3000             | mg/kg | 31  | 35         |
| Antimony, Total                                                                                                                             | ND            | ND               | mg/kg | NC  | 35         |
| Arsenic, Total                                                                                                                              | 5.3           | 6.5              | mg/kg | 20  | 35         |
| Barium, Total                                                                                                                               | 85.           | 95               | mg/kg | 11  | 35         |
| Beryllium, Total                                                                                                                            | 0.19J         | 0.22J            | mg/kg | NC  | 35         |
| Cadmium, Total                                                                                                                              | 1.8           | 1.2              | mg/kg | 40  | Q 35       |
| Calcium, Total                                                                                                                              | 6200          | 4400             | mg/kg | 34  | 35         |
| Chromium, Total                                                                                                                             | 7.8           | 10               | mg/kg | 25  | 35         |
| Cobalt, Total                                                                                                                               | 7.3           | 8.3              | mg/kg | 13  | 35         |
| Copper, Total                                                                                                                               | 130           | 140              | mg/kg | 7   | 35         |
| Lead, Total                                                                                                                                 | 110           | 160              | mg/kg | 37  | Q 35       |
| Magnesium, Total                                                                                                                            | 550           | 730              | mg/kg | 28  | 35         |
| Manganese, Total                                                                                                                            | 270           | 240              | mg/kg | 12  | 35         |
| Nickel, Total                                                                                                                               | 11.           | 14               | mg/kg | 24  | 35         |
| Potassium, Total                                                                                                                            | 360           | 460              | mg/kg | 24  | 35         |
| Selenium, Total                                                                                                                             | 1.6J          | 1.2J             | mg/kg | NC  | 35         |
| Silver, Total                                                                                                                               | 0.20J         | ND               | mg/kg | NC  | 35         |
| Sodium, Total                                                                                                                               | 1300          | 1500             | mg/kg | 14  | 35         |
| Thallium, Total                                                                                                                             | ND            | ND               | mg/kg | NC  | 35         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                                                   | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 QC Batch ID: WG673910-3 QC Sample: L1404475-01 Client ID: SB3 (8-10) |               |                  |       |     |            |
| Vanadium, Total                                                                                                                             | 12.           | 18               | mg/kg | 40  | Q 35       |
| Zinc, Total                                                                                                                                 | 180           | 130              | mg/kg | 32  | 35         |
| Total Metals - Westborough Lab Associated sample(s): 01,03,05-06,08,10 QC Batch ID: WG673910-3 QC Sample: L1404475-01 Client ID: SB3 (8-10) |               |                  |       |     |            |
| Iron, Total                                                                                                                                 | 40000         | 26000            | mg/kg | 42  | Q 35       |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14**SAMPLE RESULTS****Lab ID:** L1404475-01**Client ID:** SB3 (8-10)**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 03/02/14 15:15**Date Received:** 03/04/14**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 74.3   |           | %     | 0.100 | NA  | 1                  | -                | 03/05/14 00:43   | 30,2540G             | RT      |



**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14**SAMPLE RESULTS****Lab ID:** L1404475-03**Client ID:** SB5 (8-10)**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 03/02/14 16:25**Date Received:** 03/04/14**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 80.0   |           | %     | 0.100 | NA  | 1                  | -                | 03/05/14 00:43   | 30,2540G             | RT      |



**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14**SAMPLE RESULTS****Lab ID:** L1404475-05**Client ID:** SB1 (0-5)**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 03/02/14 17:45**Date Received:** 03/04/14**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 87.5   |           | %     | 0.100 | NA  | 1                  | -                | 03/05/14 00:43   | 30,2540G             | RT      |



**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14**SAMPLE RESULTS****Lab ID:** L1404475-06**Client ID:** SB6 (0-5)**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 03/02/14 18:30**Date Received:** 03/04/14**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 96.4   |           | %     | 0.100 | NA  | 1                  | -                | 03/05/14 00:43   | 30,2540G             | RT      |



**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14**SAMPLE RESULTS****Lab ID:** L1404475-08**Client ID:** SB7 (2-5)**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 03/02/14 18:55**Date Received:** 03/04/14**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 85.7   |           | %     | 0.100 | NA  | 1                  | -                | 03/05/14 00:43   | 30,2540G             | RT      |





**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14**SAMPLE RESULTS****Lab ID:** L1404475-10**Client ID:** SB8 (5-7)**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 03/04/14 08:35**Date Received:** 03/04/14**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 88.1   |           | %     | 0.100 | NA  | 1                  | -                | 03/05/14 00:43   | 30,2540G             | RT      |



**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404475**Report Date:** 03/11/14**SAMPLE RESULTS****Lab ID:** L1404475-11**Client ID:** SB5 (13-15)**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 03/02/14 16:30**Date Received:** 03/04/14**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 56.2   |           | %     | 0.100 | NA  | 1                  | -                | 03/06/14 22:50   | 30,2540G             | RT      |



# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404475

**Report Date:** 03/11/14

| Parameter                                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01,03,05-06,08,10 (8-10) QC Batch ID: WG673622-1 QC Sample: L1404475-01 Client ID: SB3 |               |                  |       |     |      |            |
| Solids, Total                                                                                                                                    | 74.3          | 79.3             | %     | 7   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG674090-1 QC Sample: L1404475-11 Client ID: SB5 (13-15)               |               |                  |       |     |      |            |
| Solids, Total                                                                                                                                    | 56.2          | 51.1             | %     | 10  |      | 20         |

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

|   |        |
|---|--------|
| A | Absent |
| B | Absent |
| C | Absent |

## Container Information

| Container ID | Container Type               | Cooler | pH  | Temp deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|------------------------------|--------|-----|------------|------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1404475-01A | Vial Large Septa unpreserved | A      | N/A | 3.1        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-01B | Amber 500ml unpreserved      | A      | N/A | 3.1        | Y    | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)                |
| L1404475-02A | Vial HCl preserved           | B      | N/A | 2.2        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-02B | Vial HCl preserved           | B      | N/A | 2.2        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-02C | Vial HCl preserved           | B      | N/A | 2.2        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-02D | Plastic 250ml unpreserved    | B      | 7   | 2.2        | Y    | Absent | FILTER-MET(1)                                                                                                                                                                                                                                                                                                              |
| L1404475-02E | Plastic 500ml HNO3 preserved | B      | <2  | 2.2        | Y    | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-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),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1404475-02F | Amber 500ml unpreserved      | B      | 7   | 2.2        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404475-02G | Amber 500ml unpreserved      | B      | 7   | 2.2        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404475-02H | Amber 1000ml unpreserved     | B      | 7   | 2.2        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1404475-02I | Amber 1000ml unpreserved     | B      | 7   | 2.2        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |

\*Values in parentheses indicate holding time in days



Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

## Container Information

| Container ID | Container Type                   | Cooler | pH  | Temp<br>deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------|--------|-----|---------------|------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1404475-02J | Amber 1000ml unpreserved         | B      | 7   | 2.2           | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1404475-02K | Amber 1000ml unpreserved         | B      | 7   | 2.2           | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1404475-02X | Plastic 250ml HNO3 preserved spl | B      | <2  | 2.2           | Y    | Absent | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1404475-03A | Vial Large Septa unpreserved     | A      | N/A | 3.1           | Y    | Absent | -                                                                                                                                                                                                                                                                                                                          |
| L1404475-03B | Amber 500ml unpreserved          | A      | N/A | 3.1           | Y    | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)                |
| L1404475-04A | Vial HCl preserved               | B      | N/A | 2.2           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-04B | Vial HCl preserved               | B      | N/A | 2.2           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-04C | Vial HCl preserved               | B      | N/A | 2.2           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-04D | Plastic 250ml unpreserved        | B      | 7   | 2.2           | Y    | Absent | FILTER-MET(1)                                                                                                                                                                                                                                                                                                              |
| L1404475-04E | Plastic 500ml HNO3 preserved     | B      | <2  | 2.2           | Y    | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-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),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1404475-04F | Amber 500ml unpreserved          | B      | 7   | 2.2           | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404475-04G | Amber 500ml unpreserved          | B      | 7   | 2.2           | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404475-04H | Amber 1000ml unpreserved         | B      | 7   | 2.2           | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1404475-04I | Amber 1000ml unpreserved         | B      | 7   | 2.2           | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1404475-04J | Amber 1000ml unpreserved         | B      | 7   | 2.2           | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |

\*Values in parentheses indicate holding time in days



Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

## Container Information

| Container ID | Container Type                   | Cooler | pH  | Temp deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------|--------|-----|------------|------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1404475-04K | Amber 1000ml unpreserved         | B      | 7   | 2.2        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1404475-04X | Plastic 250ml HNO3 preserved spl | B      | <2  | 2.2        | Y    | Absent | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1404475-05A | Vial Large Septa unpreserved     | A      | N/A | 3.1        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-05B | Amber 500ml unpreserved          | A      | N/A | 3.1        | Y    | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)                |
| L1404475-06A | Vial Large Septa unpreserved     | A      | N/A | 3.1        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-06B | Amber 500ml unpreserved          | A      | N/A | 3.1        | Y    | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)                |
| L1404475-07A | Vial HCl preserved               | C      | N/A | 3.9        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-07B | Vial HCl preserved               | C      | N/A | 3.9        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-07C | Vial HCl preserved               | C      | N/A | 3.9        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-07D | Plastic 250ml unpreserved        | C      | 7   | 3.9        | Y    | Absent | FILTER-MET(1)                                                                                                                                                                                                                                                                                                              |

\*Values in parentheses indicate holding time in days



Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

## Container Information

| Container ID | Container Type                   | Cooler | pH  | Temp<br>deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------|--------|-----|---------------|------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1404475-07E | Plastic 500ml HNO3 preserved     | C      | <2  | 3.9           | Y    | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-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),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1404475-07F | Amber 500ml unpreserved          | C      | 7   | 3.9           | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404475-07G | Amber 500ml unpreserved          | C      | 7   | 3.9           | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404475-07H | Amber 1000ml unpreserved         | C      | 7   | 3.9           | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1404475-07I | Amber 1000ml unpreserved         | C      | 7   | 3.9           | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1404475-07J | Amber 1000ml unpreserved         | C      | 7   | 3.9           | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1404475-07K | Amber 1000ml unpreserved         | C      | 7   | 3.9           | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1404475-07X | Plastic 250ml HNO3 preserved spl | C      | <2  | 3.9           | Y    | Absent | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1404475-08A | Vial Large Septa unpreserved     | A      | N/A | 3.1           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-08B | Amber 500ml unpreserved          | A      | N/A | 3.1           | Y    | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)                |
| L1404475-09A | Vial HCl preserved               | A      | N/A | 3.1           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-09B | Vial HCl preserved               | A      | N/A | 3.1           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404475-10A | Vial Large Septa unpreserved     | A      | N/A | 3.1           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |

\*Values in parentheses indicate holding time in days



Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404475

Report Date: 03/11/14

**Container Information**

| Container ID | Container Type               | Cooler | pH  | Temp<br>deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                                                                 |
|--------------|------------------------------|--------|-----|---------------|------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1404475-10B | Amber 500ml unpreserved      | A      | N/A | 3.1           | Y    | Absent | BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180) |
| L1404475-11A | Vial Large Septa unpreserved | A      | N/A | 3.1           | Y    | Absent | TS(7),NYTCL-8260(14)                                                                                                                                                                                                                                                                                        |

**Container Comments**

L1404475-02X

L1404475-04X

L1404475-07X

\*Values in parentheses indicate holding time in days



**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

## GLOSSARY

### Acronyms

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).                        |
| 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.                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                                                                                                                  |
| 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.                                                                                                                                                                                                                                                                                                          |
| NI   | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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.                                                                                                                                                                                                                                                                                                    |

### 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.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- 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.
- 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.
- 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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404475**Project Number:** 470K**Report Date:** 03/11/14**Data Qualifiers**

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- 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).
- 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:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404475  
**Report Date:** 03/11/14

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

## 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

Last revised December 11, 2013

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

### **Westborough Facility**

**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

**EPA 8330A/B:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 625:** 4-Chloroaniline, 4-Methylphenol.

**SM4500:** Soil: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

### **Mansfield Facility**

**EPA 8270D:** Biphenyl.

**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.

**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

### **Drinking Water**

**EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

**EPA 300.0:** 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**

**EPA 332:** Perchlorate.

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

### **Non-Potable Water**

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

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

**EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

**EPA 624:** Volatile Halocarbons & Aromatics,

**EPA 608:** 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:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

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



WESTBORO, MA  
TEL: 508-898-9220  
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MANSFIELD, MA  
TEL: 508-822-9300  
FAX: 508-822-3288

# CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/4/14

ALPHA Job #:

0404475

## Project Information

Project Name: 470 Kent Avenue

Project Location: Brooklyn, NY

Project #: 470K

Project Manager: Matthew Carroll

ALPHA Quote #:

## Turn-Around Time

☒ Standard☐ RUSH (only confirmed if pre-approved)

Date Due: 3/11/14

Time:

## Report Information - Data Deliverables

☐ FAX☒ EMAIL☐ ADEx☐ Add'l Deliverables

## Billing Information

☒ Same as Client info

PO #:

## Regulatory Requirements/Report Limits

State / Fed Program

Criteria

## Client Information

Client: Tenen Environmental

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID  | Collection |      | Sample Matrix | Sampler's Initials | ANALYSIS |      |         |     |                    |                  |  |  |  |        | Sample Specific Comments | TOTAL # BOTTLES |
|--------------------------------|------------|------------|------|---------------|--------------------|----------|------|---------|-----|--------------------|------------------|--|--|--|--------|--------------------------|-----------------|
|                                |            | Date       | Time |               |                    | VOG      | SVOL | PUSHKIN | PLB | TAL METALS (TOTAL) | TAL METALS (DUS) |  |  |  |        |                          |                 |
| 0447511                        | SB3 (8-10) | 3/2/14     | 1515 | S             | ML                 | X        | X    | X       | X   | X                  |                  |  |  |  |        |                          | 2               |
| 12                             | TMW3       |            | 1610 | GW            |                    |          |      |         |     |                    | X                |  |  |  |        |                          | 11              |
| 13                             | SB5 (8-10) |            | 1625 | S             |                    |          |      |         |     |                    |                  |  |  |  | No VOA |                          | 2               |
| 14                             | TMW5       |            | 1725 | GW            |                    |          |      |         |     |                    | X                |  |  |  |        |                          | 11              |
| 15                             | SB1 (0-5)  |            | 1745 | S             |                    |          |      |         |     |                    |                  |  |  |  |        |                          | 2               |
| 16                             | SB6 (0-5)  |            | 1830 | S             |                    |          |      |         |     |                    |                  |  |  |  |        |                          | 2               |
| 17                             | TMW1       |            | 1855 | GW            |                    |          |      |         |     |                    | X                |  |  |  |        |                          | 11              |
| 18                             | SB7 (2-5)  |            | 1855 | S             |                    |          |      |         |     |                    |                  |  |  |  |        |                          | 2               |
| 19                             | TB         |            | -    | GW            |                    | X        |      |         |     |                    |                  |  |  |  |        |                          | 3               |
| 20                             | SB8 (5-7)  | 3/4/14     | 0835 | S             | ML                 | X        | X    | X       | X   | X                  |                  |  |  |  |        |                          | 2               |

Analyze SB5 (13-15) for VOA only  
Collected 3/2 16:30 PR, 3/11

Container Type

Preservative

A/V A A A/P A/P  
A/B A A A/A A/A

Relinquished By:

Date/Time

Received By:

Date/Time

Matthew Carroll  
3/4/14 0950  
3/4/14 2213

3/4/14 0950  
3/4/14 2213

Richard Scott  
3/4/14 2213

3/4/14 0950  
3/4/14 2213

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.



WESTBORO, MA  
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MANSFIELD, MA  
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# CHAIN OF CUSTODY

PAGE 1 OF 1

## Project Information

Project Name: 470 Kent Avenue

Project Location: Brooklyn, NY

Project #: 470K

Project Manager: Matthew Carroll

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 3/11/14 Time:

Date Rec'd in Lab: 3/4/14

## Report Information - Data Deliverables

☐ FAX ☒ EMAIL  
☐ ADEx ☐ Add'l Deliverables

ALPHA Job #: 0404475

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

State / Fed Program Criteria

## Client Information

Client: Tenen Environmental

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID  | Collection |      | Sample Matrix | Sampler's Initials | ANALYSIS |      |      |     |                    |                  |  |  |  |  | TOTAL # BOTTLES |
|--------------------------------|------------|------------|------|---------------|--------------------|----------|------|------|-----|--------------------|------------------|--|--|--|--|-----------------|
|                                |            | Date       | Time |               |                    | VEL      | SVOL | PUSH | PLB | TAL METALS (TOTAL) | NAL METALS (DUS) |  |  |  |  |                 |
| 0447511                        | SB3 (8-10) | 3/2/14     | 1515 | S             | ML                 | X        | X    | X    | X   | X                  |                  |  |  |  |  | 2               |
| 12                             | TMW3       |            | 1610 | GW            |                    |          |      |      |     |                    | X                |  |  |  |  | 11              |
| 13                             | SB5 (8-10) |            | 1625 | S             |                    |          |      |      |     |                    |                  |  |  |  |  | 2               |
| 14                             | TMW5       |            | 1725 | GW            |                    |          |      |      |     |                    | X                |  |  |  |  | 11              |
| 15                             | SB1 (0-5)  |            | 1745 | S             |                    |          |      |      |     |                    |                  |  |  |  |  | 2               |
| 16                             | SB6 (0-5)  |            | 1830 | S             |                    |          |      |      |     |                    |                  |  |  |  |  | 2               |
| 17                             | TMW1       |            | 1855 | GW            |                    |          |      |      |     |                    | X                |  |  |  |  | 11              |
| 18                             | SB7 (2-5)  |            | 1855 | S             |                    |          |      |      |     |                    |                  |  |  |  |  | 2               |
| 19                             | TB         |            | -    | GW            |                    | X        |      |      |     |                    |                  |  |  |  |  | 3               |
| 20                             | SB8 (5-7)  | 3/4/14     | 0835 | S             | ML                 | X        | X    | X    | X   | X                  |                  |  |  |  |  | 2               |

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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:     | L1404493                                                                            |
| Client:         | Tenen Environmental, LLC<br>121 West 27th Street<br>Suite 1004<br>New York City, NY |
| ATTN:           | Matt Carroll                                                                        |
| Phone:          | (646) 606-2332                                                                      |
| Project Name:   | 470 KENT AVENUE                                                                     |
| Project Number: | 470K                                                                                |
| Report Date:    | 03/11/14                                                                            |

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404493  
**Report Date:** 03/11/14

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> |
|----------------------------|------------------|----------------------------|---------------------------------|
| L1404493-01                | SB2 (0.5-3)      | BROOKLYN, NY               | 03/04/14 09:25                  |
| L1404493-02                | TMW2             | BROOKLYN, NY               | 03/04/14 11:30                  |
| L1404493-03                | SB4 (8-10)       | BROOKLYN, NY               | 03/04/14 12:40                  |



**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404493  
**Report Date:** 03/11/14

### 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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### 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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404493  
**Report Date:** 03/11/14

### 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

L1404493-01 and -02: 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.

#### Total Metals

L1404493-01, -02, and -03 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG673762-4 MS recoveries for calcium (0%) and sodium (620%), performed on L1404493-02, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG673762-4 MS recovery, performed on L1404493-02, is outside the acceptance criteria for iron (187%). A post digestion spike was performed and was within acceptance criteria.

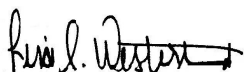
#### Dissolved Metals

L1404493-02 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG674222-4 MS recoveries for calcium (0%) and sodium (0%), performed on L1404493-02, do not apply because the sample concentrations are greater than four times the spike amount added.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 03/11/14

# ORGANICS

# **VOLATILES**

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-01  
**Client ID:** SB2 (0.5-3)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/05/14 16:38  
**Analyst:** BN  
**Percent Solids:** 90%

**Date Collected:** 03/04/14 09:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 11  | 2.2  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.7 | 0.20 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.7 | 0.41 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 3.9 | 0.25 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.1 | 0.34 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.7 | 0.34 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.1 | 0.38 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 5.5 | 0.13 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.1 | 0.12 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.1 | 0.25 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1 | 0.13 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/kg | 5.5 | 0.50 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.4 | 0.46 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.1 | 0.13 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.7 | 0.12 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 5.5 | 0.87 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.2 | 0.37 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.2 | 0.35 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.7 | 0.23 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 5.5 | 0.20 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 5.5 | 0.20 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 5.5 | 0.27 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-01  
 Client ID: SB2 (0.5-3)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 09:25  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.2 | 0.12 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 2.2 | 0.30 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| Dibromomethane                               | ND     |           | ug/kg | 11  | 0.18 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.2 | 0.34 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 0.24 | 1               |
| Acetone                                      | ND     |           | ug/kg | 11  | 3.4  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 2.2  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 11  | 0.39 | 1               |
| Vinyl acetate                                | ND     |           | ug/kg | 11  | 0.53 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 11  | 0.27 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/kg | 11  | 0.25 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 11  | 0.21 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 5.5 | 0.22 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/kg | 5.5 | 0.25 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 4.4 | 0.20 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/kg | 5.5 | 0.19 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.35 | 1               |
| Bromobenzene                                 | ND     |           | ug/kg | 5.5 | 0.23 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 5.5 | 0.62 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/kg | 5.5 | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/kg | 5.5 | 0.17 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 5.5 | 0.88 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/kg | 5.5 | 0.47 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.1 | 0.18 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 1.1 | 0.21 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 5.5 | 0.85 | 1               |
| Acrylonitrile                                | ND     |           | ug/kg | 11  | 0.26 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 5.5 | 0.19 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 5.5 | 0.88 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 5.5 | 0.16 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 5.5 | 0.64 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 110 | 19.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/kg | 4.4 | 0.18 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/kg | 4.4 | 0.13 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-01  
 Client ID: SB2 (0.5-3)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 09:25  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/kg | 4.4 | 0.14 | 1               |
| Ethyl ether                                  | ND     |           | ug/kg | 5.5 | 0.29 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/kg | 5.5 | 0.50 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 101        |           | 70-130              |
| Toluene-d8            | 93         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 101        |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-02  
**Client ID:** TMW2  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/06/14 11:46  
**Analyst:** PD

**Date Collected:** 03/04/14 11:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| 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                                   | 2.3    | 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  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                            | 4.0    |           | 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               |
| 1,1-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 | 0.14 | 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  | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichloroethene                              | 1.2    |           | ug/l  | 0.50 | 0.17 | 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               |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-02  
 Client ID: TMW2  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 11:30  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 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               |
| cis-1,2-Dichloroethene                       | 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 | 1.0  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0 | 1.0  | 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               |
| 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 | 41.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-02  
 Client ID: TMW2  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 11:30  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0 | 0.65 | 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 | 100        |           | 70-130              |
| Toluene-d8            | 93         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 101        |           | 70-130              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-03  
**Client ID:** SB4 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/05/14 17:06  
**Analyst:** BN  
**Percent Solids:** 89%

**Date Collected:** 03/04/14 12:40  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 11  | 2.2  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.7 | 0.20 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.7 | 0.42 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.1 | 0.24 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 3.9 | 0.26 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.1 | 0.34 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.7 | 0.34 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.1 | 0.39 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 5.6 | 0.14 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.1 | 0.12 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.1 | 0.26 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/kg | 5.6 | 0.51 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.5 | 0.46 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.1 | 0.13 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.7 | 0.12 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 5.6 | 0.88 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.2 | 0.35 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.7 | 0.24 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 5.6 | 0.20 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 5.6 | 0.20 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 5.6 | 0.27 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-03  
 Client ID: SB4 (8-10)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 12:40  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.2 | 0.12 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 2.2 | 0.30 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.17 | 1               |
| Dibromomethane                               | ND     |           | ug/kg | 11  | 0.18 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.2 | 0.35 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 0.24 | 1               |
| Acetone                                      | ND     |           | ug/kg | 11  | 3.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 2.2  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 11  | 0.40 | 1               |
| Vinyl acetate                                | ND     |           | ug/kg | 11  | 0.54 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 11  | 0.27 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/kg | 11  | 0.25 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 11  | 0.21 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 5.6 | 0.22 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/kg | 5.6 | 0.25 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 4.5 | 0.20 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/kg | 5.6 | 0.19 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.36 | 1               |
| Bromobenzene                                 | ND     |           | ug/kg | 5.6 | 0.23 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 5.6 | 0.63 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/kg | 5.6 | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/kg | 5.6 | 0.17 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 5.6 | 0.89 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/kg | 5.6 | 0.47 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 1.1 | 0.21 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 5.6 | 0.86 | 1               |
| Acrylonitrile                                | ND     |           | ug/kg | 11  | 0.27 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.1 | 0.14 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 5.6 | 0.19 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 5.6 | 0.89 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 5.6 | 0.16 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 5.6 | 0.64 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 110 | 20.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/kg | 4.5 | 0.18 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/kg | 4.5 | 0.13 | 1               |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404493-03  
 Client ID: SB4 (8-10)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 12:40  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/kg | 4.5 | 0.15 | 1               |
| Ethyl ether                                  | ND     |           | ug/kg | 5.6 | 0.30 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/kg | 5.6 | 0.50 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 100        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 102        |           | 70-130              |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/05/14 09:39  
 Analyst: BN

| Parameter                                                                           | Result | Qualifier | Units | RL  | MDL  |
|-------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG673967-3 |        |           |       |     |      |
| Methylene chloride                                                                  | ND     |           | ug/kg | 10  | 2.0  |
| 1,1-Dichloroethane                                                                  | ND     |           | ug/kg | 1.5 | 0.18 |
| Chloroform                                                                          | ND     |           | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride                                                                | ND     |           | ug/kg | 1.0 | 0.21 |
| 1,2-Dichloropropane                                                                 | ND     |           | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane                                                                | ND     |           | ug/kg | 1.0 | 0.31 |
| 1,1,2-Trichloroethane                                                               | ND     |           | ug/kg | 1.5 | 0.30 |
| Tetrachloroethene                                                                   | ND     |           | ug/kg | 1.0 | 0.14 |
| Chlorobenzene                                                                       | ND     |           | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane                                                              | ND     |           | ug/kg | 5.0 | 0.12 |
| 1,2-Dichloroethane                                                                  | ND     |           | ug/kg | 1.0 | 0.15 |
| 1,1,1-Trichloroethane                                                               | ND     |           | ug/kg | 1.0 | 0.11 |
| Bromodichloromethane                                                                | ND     |           | ug/kg | 1.0 | 0.23 |
| trans-1,3-Dichloropropene                                                           | ND     |           | ug/kg | 1.0 | 0.12 |
| cis-1,3-Dichloropropene                                                             | ND     |           | ug/kg | 1.0 | 0.13 |
| 1,1-Dichloropropene                                                                 | ND     |           | ug/kg | 5.0 | 0.46 |
| Bromoform                                                                           | ND     |           | ug/kg | 4.0 | 0.41 |
| 1,1,2,2-Tetrachloroethane                                                           | ND     |           | ug/kg | 1.0 | 0.17 |
| Benzene                                                                             | ND     |           | ug/kg | 1.0 | 0.12 |
| Toluene                                                                             | ND     |           | ug/kg | 1.5 | 0.11 |
| Ethylbenzene                                                                        | ND     |           | ug/kg | 1.0 | 0.15 |
| Chloromethane                                                                       | ND     |           | ug/kg | 5.0 | 0.78 |
| Bromomethane                                                                        | ND     |           | ug/kg | 2.0 | 0.34 |
| Vinyl chloride                                                                      | ND     |           | ug/kg | 2.0 | 0.14 |
| Chloroethane                                                                        | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene                                                                  | ND     |           | ug/kg | 1.0 | 0.20 |
| trans-1,2-Dichloroethene                                                            | ND     |           | ug/kg | 1.5 | 0.21 |
| Trichloroethene                                                                     | ND     |           | ug/kg | 1.0 | 0.15 |
| 1,2-Dichlorobenzene                                                                 | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene                                                                 | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,4-Dichlorobenzene                                                                 | ND     |           | ug/kg | 5.0 | 0.24 |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/05/14 09:39  
 Analyst: BN

| Parameter                                                                           | Result | Qualifier | Units | RL  | MDL  |
|-------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG673967-3 |        |           |       |     |      |
| Methyl tert butyl ether                                                             | ND     |           | ug/kg | 2.0 | 0.10 |
| p/m-Xylene                                                                          | ND     |           | ug/kg | 2.0 | 0.32 |
| o-Xylene                                                                            | ND     |           | ug/kg | 2.0 | 0.27 |
| cis-1,2-Dichloroethene                                                              | ND     |           | ug/kg | 1.0 | 0.15 |
| Dibromomethane                                                                      | ND     |           | ug/kg | 10  | 0.16 |
| Styrene                                                                             | ND     |           | ug/kg | 2.0 | 0.31 |
| Dichlorodifluoromethane                                                             | ND     |           | ug/kg | 10  | 0.22 |
| Acetone                                                                             | 3.2    | J         | ug/kg | 10  | 3.1  |
| Carbon disulfide                                                                    | ND     |           | ug/kg | 10  | 2.0  |
| 2-Butanone                                                                          | ND     |           | ug/kg | 10  | 0.36 |
| Vinyl acetate                                                                       | ND     |           | ug/kg | 10  | 0.48 |
| 4-Methyl-2-pentanone                                                                | ND     |           | ug/kg | 10  | 0.24 |
| 1,2,3-Trichloropropane                                                              | ND     |           | ug/kg | 10  | 0.22 |
| 2-Hexanone                                                                          | ND     |           | ug/kg | 10  | 0.19 |
| Bromochloromethane                                                                  | ND     |           | ug/kg | 5.0 | 0.20 |
| 2,2-Dichloropropane                                                                 | ND     |           | ug/kg | 5.0 | 0.22 |
| 1,2-Dibromoethane                                                                   | ND     |           | ug/kg | 4.0 | 0.18 |
| 1,3-Dichloropropane                                                                 | ND     |           | ug/kg | 5.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane                                                           | ND     |           | ug/kg | 1.0 | 0.32 |
| Bromobenzene                                                                        | ND     |           | ug/kg | 5.0 | 0.21 |
| n-Butylbenzene                                                                      | ND     |           | ug/kg | 1.0 | 0.20 |
| sec-Butylbenzene                                                                    | ND     |           | ug/kg | 1.0 | 0.20 |
| tert-Butylbenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.56 |
| o-Chlorotoluene                                                                     | ND     |           | ug/kg | 5.0 | 0.16 |
| p-Chlorotoluene                                                                     | ND     |           | ug/kg | 5.0 | 0.15 |
| 1,2-Dibromo-3-chloropropane                                                         | ND     |           | ug/kg | 5.0 | 0.79 |
| Hexachlorobutadiene                                                                 | ND     |           | ug/kg | 5.0 | 0.42 |
| Isopropylbenzene                                                                    | ND     |           | ug/kg | 1.0 | 0.17 |
| p-Isopropyltoluene                                                                  | ND     |           | ug/kg | 1.0 | 0.19 |
| Naphthalene                                                                         | ND     |           | ug/kg | 5.0 | 0.77 |
| Acrylonitrile                                                                       | ND     |           | ug/kg | 10  | 0.24 |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/05/14 09:39  
 Analyst: BN

| Parameter                                                                           | Result | Qualifier | Units | RL  | MDL  |
|-------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG673967-3 |        |           |       |     |      |
| Isopropyl Ether                                                                     | ND     |           | ug/kg | 4.0 | 0.14 |
| tert-Butyl Alcohol                                                                  | ND     |           | ug/kg | 60  | 0.91 |
| n-Propylbenzene                                                                     | ND     |           | ug/kg | 1.0 | 0.12 |
| 1,2,3-Trichlorobenzene                                                              | ND     |           | ug/kg | 5.0 | 0.17 |
| 1,2,4-Trichlorobenzene                                                              | ND     |           | ug/kg | 5.0 | 0.79 |
| 1,3,5-Trimethylbenzene                                                              | ND     |           | ug/kg | 5.0 | 0.14 |
| 1,2,4-Trimethylbenzene                                                              | ND     |           | ug/kg | 5.0 | 0.57 |
| Methyl Acetate                                                                      | ND     |           | ug/kg | 20  | 0.76 |
| Ethyl Acetate                                                                       | ND     |           | ug/kg | 20  | 0.82 |
| Acrolein                                                                            | ND     |           | ug/kg | 25  | 9.2  |
| Cyclohexane                                                                         | ND     |           | ug/kg | 20  | 1.1  |
| 1,4-Dioxane                                                                         | ND     |           | ug/kg | 100 | 17.  |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                               | ND     |           | ug/kg | 20  | 0.27 |
| 1,4-Diethylbenzene                                                                  | ND     |           | ug/kg | 4.0 | 0.16 |
| 4-Ethyltoluene                                                                      | ND     |           | ug/kg | 4.0 | 0.12 |
| 1,2,4,5-Tetramethylbenzene                                                          | ND     |           | ug/kg | 4.0 | 0.13 |
| Tetrahydrofuran                                                                     | ND     |           | ug/kg | 20  | 0.38 |
| Ethyl ether                                                                         | ND     |           | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene                                                         | ND     |           | ug/kg | 5.0 | 0.45 |
| Methyl cyclohexane                                                                  | ND     |           | ug/kg | 4.0 | 1.3  |
| Ethyl-Tert-Butyl-Ether                                                              | ND     |           | ug/kg | 4.0 | 0.42 |
| Tertiary-Amyl Methyl Ether                                                          | ND     |           | ug/kg | 4.0 | 0.58 |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 97        |           | 70-130              |
| Toluene-d8            | 94        |           | 70-130              |
| 4-Bromofluorobenzene  | 98        |           | 70-130              |
| Dibromofluoromethane  | 101       |           | 70-130              |



Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/06/14 10:34  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL   | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG674025-3 |        |           |       |      |      |
| 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  | 0.13 |
| 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 |
| 1,1-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 | 0.14 |
| 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  | 0.33 |
| Chloroethane                                                                     | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethene                                                               | ND     |           | ug/l  | 0.50 | 0.14 |
| trans-1,2-Dichloroethene                                                         | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichloroethene                                                                  | ND     |           | ug/l  | 0.50 | 0.17 |
| 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 |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/06/14 10:34  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG674025-3 |        |           |       |     |      |
| 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 |
| cis-1,2-Dichloroethene                                                           | 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 | 1.0  |
| Carbon disulfide                                                                 | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Butanone                                                                       | ND     |           | ug/l  | 5.0 | 1.0  |
| 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 |
| 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 |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/06/14 10:34  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG674025-3 |        |           |       |     |      |
| 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 | 41.  |
| 1,4-Diethylbenzene                                                               | ND     |           | ug/l  | 2.0 | 0.70 |
| 4-Ethyltoluene                                                                   | ND     |           | ug/l  | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene                                                       | ND     |           | ug/l  | 2.0 | 0.65 |
| 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<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 102       |           | 70-130                 |
| Toluene-d8            | 95        |           | 70-130                 |
| 4-Bromofluorobenzene  | 100       |           | 70-130                 |
| Dibromofluoromethane  | 103       |           | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG673967-1 WG673967-2 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                    | 98               |      | 95                |      | 70-130              | 3   |      | 30            |
| 1,1-Dichloroethane                                                                                    | 103              |      | 100               |      | 70-130              | 3   |      | 30            |
| Chloroform                                                                                            | 100              |      | 97                |      | 70-130              | 3   |      | 30            |
| Carbon tetrachloride                                                                                  | 108              |      | 101               |      | 70-130              | 7   |      | 30            |
| 1,2-Dichloropropane                                                                                   | 100              |      | 99                |      | 70-130              | 1   |      | 30            |
| Dibromochloromethane                                                                                  | 90               |      | 93                |      | 70-130              | 3   |      | 30            |
| 1,1,2-Trichloroethane                                                                                 | 90               |      | 93                |      | 70-130              | 3   |      | 30            |
| Tetrachloroethene                                                                                     | 98               |      | 93                |      | 70-130              | 5   |      | 30            |
| Chlorobenzene                                                                                         | 94               |      | 93                |      | 70-130              | 1   |      | 30            |
| Trichlorofluoromethane                                                                                | 114              |      | 108               |      | 70-139              | 5   |      | 30            |
| 1,2-Dichloroethane                                                                                    | 91               |      | 95                |      | 70-130              | 4   |      | 30            |
| 1,1,1-Trichloroethane                                                                                 | 103              |      | 97                |      | 70-130              | 6   |      | 30            |
| Bromodichloromethane                                                                                  | 97               |      | 102               |      | 70-130              | 5   |      | 30            |
| trans-1,3-Dichloropropene                                                                             | 91               |      | 92                |      | 70-130              | 1   |      | 30            |
| cis-1,3-Dichloropropene                                                                               | 100              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,1-Dichloropropene                                                                                   | 105              |      | 101               |      | 70-130              | 4   |      | 30            |
| Bromoform                                                                                             | 83               |      | 86                |      | 70-130              | 4   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                             | 83               |      | 86                |      | 70-130              | 4   |      | 30            |
| Benzene                                                                                               | 101              |      | 98                |      | 70-130              | 3   |      | 30            |
| Toluene                                                                                               | 91               |      | 92                |      | 70-130              | 1   |      | 30            |
| Ethylbenzene                                                                                          | 95               |      | 94                |      | 70-130              | 1   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG673967-1 WG673967-2 |                  |      |                   |      |                     |     |      |               |
| Chloromethane                                                                                         | 94               |      | 84                |      | 52-130              | 11  |      | 30            |
| Bromomethane                                                                                          | 103              |      | 94                |      | 57-147              | 9   |      | 30            |
| Vinyl chloride                                                                                        | 102              |      | 94                |      | 67-130              | 8   |      | 30            |
| Chloroethane                                                                                          | 104              |      | 98                |      | 50-151              | 6   |      | 30            |
| 1,1-Dichloroethene                                                                                    | 106              |      | 101               |      | 65-135              | 5   |      | 30            |
| trans-1,2-Dichloroethene                                                                              | 103              |      | 98                |      | 70-130              | 5   |      | 30            |
| Trichloroethene                                                                                       | 100              |      | 99                |      | 70-130              | 1   |      | 30            |
| 1,2-Dichlorobenzene                                                                                   | 89               |      | 89                |      | 70-130              | 0   |      | 30            |
| 1,3-Dichlorobenzene                                                                                   | 90               |      | 90                |      | 70-130              | 0   |      | 30            |
| 1,4-Dichlorobenzene                                                                                   | 90               |      | 90                |      | 70-130              | 0   |      | 30            |
| Methyl tert butyl ether                                                                               | 100              |      | 97                |      | 66-130              | 3   |      | 30            |
| p/m-Xylene                                                                                            | 95               |      | 94                |      | 70-130              | 1   |      | 30            |
| o-Xylene                                                                                              | 94               |      | 95                |      | 70-130              | 1   |      | 30            |
| cis-1,2-Dichloroethene                                                                                | 102              |      | 100               |      | 70-130              | 2   |      | 30            |
| Dibromomethane                                                                                        | 97               |      | 98                |      | 70-130              | 1   |      | 30            |
| Styrene                                                                                               | 92               |      | 94                |      | 70-130              | 2   |      | 30            |
| Dichlorodifluoromethane                                                                               | 78               |      | 71                |      | 30-146              | 9   |      | 30            |
| Acetone                                                                                               | 111              |      | 108               |      | 54-140              | 3   |      | 30            |
| Carbon disulfide                                                                                      | 97               |      | 92                |      | 59-130              | 5   |      | 30            |
| 2-Butanone                                                                                            | 99               |      | 93                |      | 70-130              | 6   |      | 30            |
| Vinyl acetate                                                                                         | 97               |      | 101               |      | 70-130              | 4   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG673967-1 WG673967-2 |                  |      |                   |      |                     |     |      |               |
| 4-Methyl-2-pentanone                                                                                  | 96               |      | 95                |      | 70-130              | 1   |      | 30            |
| 1,2,3-Trichloropropane                                                                                | 85               |      | 86                |      | 68-130              | 1   |      | 30            |
| 2-Hexanone                                                                                            | 87               |      | 96                |      | 70-130              | 10  |      | 30            |
| Bromochloromethane                                                                                    | 100              |      | 99                |      | 70-130              | 1   |      | 30            |
| 2,2-Dichloropropane                                                                                   | 103              |      | 99                |      | 70-130              | 4   |      | 30            |
| 1,2-Dibromoethane                                                                                     | 89               |      | 94                |      | 70-130              | 5   |      | 30            |
| 1,3-Dichloropropane                                                                                   | 90               |      | 93                |      | 69-130              | 3   |      | 30            |
| 1,1,1,2-Tetrachloroethane                                                                             | 89               |      | 94                |      | 70-130              | 5   |      | 30            |
| Bromobenzene                                                                                          | 88               |      | 89                |      | 70-130              | 1   |      | 30            |
| n-Butylbenzene                                                                                        | 96               |      | 90                |      | 70-130              | 6   |      | 30            |
| sec-Butylbenzene                                                                                      | 96               |      | 92                |      | 70-130              | 4   |      | 30            |
| tert-Butylbenzene                                                                                     | 93               |      | 89                |      | 70-130              | 4   |      | 30            |
| o-Chlorotoluene                                                                                       | 88               |      | 87                |      | 70-130              | 1   |      | 30            |
| p-Chlorotoluene                                                                                       | 90               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                           | 82               |      | 83                |      | 68-130              | 1   |      | 30            |
| Hexachlorobutadiene                                                                                   | 96               |      | 87                |      | 67-130              | 10  |      | 30            |
| Isopropylbenzene                                                                                      | 91               |      | 92                |      | 70-130              | 1   |      | 30            |
| p-Isopropyltoluene                                                                                    | 95               |      | 93                |      | 70-130              | 2   |      | 30            |
| Naphthalene                                                                                           | 83               |      | 82                |      | 70-130              | 1   |      | 30            |
| Acrylonitrile                                                                                         | 97               |      | 99                |      | 70-130              | 2   |      | 30            |
| Isopropyl Ether                                                                                       | 103              |      | 101               |      | 66-130              | 2   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG673967-1 WG673967-2 |                  |      |                   |      |                     |     |      |               |
| tert-Butyl Alcohol                                                                                    | 92               |      | 94                |      | 70-130              | 2   |      | 30            |
| n-Propylbenzene                                                                                       | 92               |      | 92                |      | 70-130              | 0   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                | 87               |      | 85                |      | 70-130              | 2   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                | 89               |      | 87                |      | 70-130              | 2   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                | 91               |      | 91                |      | 70-130              | 0   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                | 93               |      | 89                |      | 70-130              | 4   |      | 30            |
| Methyl Acetate                                                                                        | 95               |      | 97                |      | 51-146              | 2   |      | 30            |
| Ethyl Acetate                                                                                         | 95               |      | 95                |      | 70-130              | 0   |      | 30            |
| Acrolein                                                                                              | 101              |      | 92                |      | 70-130              | 9   |      | 30            |
| Cyclohexane                                                                                           | 117              |      | 108               |      | 59-142              | 8   |      | 30            |
| 1,4-Dioxane                                                                                           | 89               |      | 92                |      | 65-136              | 3   |      | 30            |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                                 | 116              |      | 110               |      | 50-139              | 5   |      | 30            |
| 1,4-Diethylbenzene                                                                                    | 96               |      | 89                |      | 70-130              | 8   |      | 30            |
| 4-Ethyltoluene                                                                                        | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,2,4,5-Tetramethylbenzene                                                                            | 94               |      | 89                |      | 70-130              | 5   |      | 30            |
| Tetrahydrofuran                                                                                       | 104              |      | 104               |      | 66-130              | 0   |      | 30            |
| Ethyl ether                                                                                           | 98               |      | 101               |      | 67-130              | 3   |      | 30            |
| trans-1,4-Dichloro-2-butene                                                                           | 84               |      | 89                |      | 70-130              | 6   |      | 30            |
| Methyl cyclohexane                                                                                    | 119              |      | 113               |      | 70-130              | 5   |      | 30            |
| Ethyl-Tert-Butyl-Ether                                                                                | 99               |      | 101               |      | 70-130              | 2   |      | 30            |
| Tertiary-Amyl Methyl Ether                                                                            | 96               |      | 96                |      | 70-130              | 0   |      | 30            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14

| <b>Parameter</b>                                                                                      | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|-------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG673967-1 WG673967-2 |                          |             |                           |             |                             |            |             |                       |

| <b>Surrogate</b>      | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 92                       |             | 94                        |             | 70-130                         |
| Toluene-d8            | 92                       |             | 96                        |             | 70-130                         |
| 4-Bromofluorobenzene  | 96                       |             | 98                        |             | 70-130                         |
| Dibromofluoromethane  | 100                      |             | 98                        |             | 70-130                         |



# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG674025-1 WG674025-2 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                 | 115              |      | 90                |      | 70-130              | 24  | Q    | 20            |
| 1,1-Dichloroethane                                                                                 | 110              |      | 85                |      | 70-130              | 26  | Q    | 20            |
| Chloroform                                                                                         | 116              |      | 94                |      | 70-130              | 21  | Q    | 20            |
| Carbon tetrachloride                                                                               | 108              |      | 85                |      | 63-132              | 24  | Q    | 20            |
| 1,2-Dichloropropane                                                                                | 104              |      | 83                |      | 70-130              | 22  | Q    | 20            |
| Dibromochloromethane                                                                               | 116              |      | 91                |      | 63-130              | 24  | Q    | 20            |
| 1,1,2-Trichloroethane                                                                              | 108              |      | 83                |      | 70-130              | 26  | Q    | 20            |
| Tetrachloroethene                                                                                  | 118              |      | 94                |      | 70-130              | 23  | Q    | 20            |
| Chlorobenzene                                                                                      | 112              |      | 90                |      | 75-130              | 22  | Q    | 20            |
| Trichlorofluoromethane                                                                             | 120              |      | 93                |      | 62-150              | 25  | Q    | 20            |
| 1,2-Dichloroethane                                                                                 | 115              |      | 92                |      | 70-130              | 22  | Q    | 20            |
| 1,1,1-Trichloroethane                                                                              | 111              |      | 86                |      | 67-130              | 25  | Q    | 20            |
| Bromodichloromethane                                                                               | 117              |      | 94                |      | 67-130              | 22  | Q    | 20            |
| trans-1,3-Dichloropropene                                                                          | 96               |      | 74                |      | 70-130              | 26  | Q    | 20            |
| cis-1,3-Dichloropropene                                                                            | 103              |      | 82                |      | 70-130              | 23  | Q    | 20            |
| 1,1-Dichloropropene                                                                                | 112              |      | 88                |      | 70-130              | 24  | Q    | 20            |
| Bromoform                                                                                          | 110              |      | 85                |      | 54-136              | 26  | Q    | 20            |
| 1,1,2,2-Tetrachloroethane                                                                          | 106              |      | 83                |      | 67-130              | 24  | Q    | 20            |
| Benzene                                                                                            | 110              |      | 87                |      | 70-130              | 23  | Q    | 20            |
| Toluene                                                                                            | 109              |      | 87                |      | 70-130              | 22  | Q    | 20            |
| Ethylbenzene                                                                                       | 112              |      | 90                |      | 70-130              | 22  | Q    | 20            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG674025-1 WG674025-2 |                  |      |                   |      |                     |     |      |               |
| Chloromethane                                                                                      | 77               |      | 71                |      | 64-130              | 8   |      | 20            |
| Bromomethane                                                                                       | 110              |      | 90                |      | 39-139              | 20  |      | 20            |
| Vinyl chloride                                                                                     | 98               |      | 81                |      | 55-140              | 19  |      | 20            |
| Chloroethane                                                                                       | 105              |      | 87                |      | 55-138              | 19  |      | 20            |
| 1,1-Dichloroethene                                                                                 | 108              |      | 91                |      | 61-145              | 17  |      | 20            |
| trans-1,2-Dichloroethene                                                                           | 114              |      | 91                |      | 70-130              | 22  | Q    | 20            |
| Trichloroethene                                                                                    | 114              |      | 92                |      | 70-130              | 21  | Q    | 20            |
| 1,2-Dichlorobenzene                                                                                | 111              |      | 89                |      | 70-130              | 22  | Q    | 20            |
| 1,3-Dichlorobenzene                                                                                | 114              |      | 92                |      | 70-130              | 21  | Q    | 20            |
| 1,4-Dichlorobenzene                                                                                | 113              |      | 90                |      | 70-130              | 23  | Q    | 20            |
| Methyl tert butyl ether                                                                            | 94               |      | 73                |      | 63-130              | 25  | Q    | 20            |
| p/m-Xylene                                                                                         | 111              |      | 90                |      | 70-130              | 21  | Q    | 20            |
| o-Xylene                                                                                           | 112              |      | 90                |      | 70-130              | 22  | Q    | 20            |
| cis-1,2-Dichloroethene                                                                             | 112              |      | 89                |      | 70-130              | 23  | Q    | 20            |
| Dibromomethane                                                                                     | 120              |      | 90                |      | 70-130              | 29  | Q    | 20            |
| 1,2,3-Trichloropropane                                                                             | 106              |      | 84                |      | 64-130              | 23  | Q    | 20            |
| Acrylonitrile                                                                                      | 98               |      | 80                |      | 70-130              | 20  |      | 20            |
| Styrene                                                                                            | 111              |      | 88                |      | 70-130              | 23  | Q    | 20            |
| Dichlorodifluoromethane                                                                            | 80               |      | 63                |      | 36-147              | 24  | Q    | 20            |
| Acetone                                                                                            | 101              |      | 70                |      | 58-148              | 36  | Q    | 20            |
| Carbon disulfide                                                                                   | 107              |      | 82                |      | 51-130              | 26  | Q    | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG674025-1 WG674025-2 |                  |      |                   |      |                     |     |      |               |
| 2-Butanone                                                                                         | 74               |      | 54                | Q    | 63-138              | 31  | Q    | 20            |
| Vinyl acetate                                                                                      | 88               |      | 71                |      | 70-130              | 21  | Q    | 20            |
| 4-Methyl-2-pentanone                                                                               | 94               |      | 77                |      | 59-130              | 20  |      | 20            |
| 2-Hexanone                                                                                         | 88               |      | 67                |      | 57-130              | 27  | Q    | 20            |
| Bromochloromethane                                                                                 | 115              |      | 97                |      | 70-130              | 17  |      | 20            |
| 2,2-Dichloropropane                                                                                | 93               |      | 71                |      | 63-133              | 27  | Q    | 20            |
| 1,2-Dibromoethane                                                                                  | 110              |      | 86                |      | 70-130              | 24  | Q    | 20            |
| 1,3-Dichloropropane                                                                                | 106              |      | 83                |      | 70-130              | 24  | Q    | 20            |
| 1,1,1,2-Tetrachloroethane                                                                          | 109              |      | 86                |      | 64-130              | 24  | Q    | 20            |
| Bromobenzene                                                                                       | 116              |      | 95                |      | 70-130              | 20  |      | 20            |
| n-Butylbenzene                                                                                     | 115              |      | 87                |      | 53-136              | 28  | Q    | 20            |
| sec-Butylbenzene                                                                                   | 117              |      | 90                |      | 70-130              | 26  | Q    | 20            |
| tert-Butylbenzene                                                                                  | 117              |      | 93                |      | 70-130              | 23  | Q    | 20            |
| o-Chlorotoluene                                                                                    | 114              |      | 90                |      | 70-130              | 24  | Q    | 20            |
| p-Chlorotoluene                                                                                    | 113              |      | 90                |      | 70-130              | 23  | Q    | 20            |
| 1,2-Dibromo-3-chloropropane                                                                        | 98               |      | 74                |      | 41-144              | 28  | Q    | 20            |
| Hexachlorobutadiene                                                                                | 127              |      | 95                |      | 63-130              | 29  | Q    | 20            |
| Isopropylbenzene                                                                                   | 114              |      | 91                |      | 70-130              | 22  | Q    | 20            |
| p-Isopropyltoluene                                                                                 | 118              |      | 91                |      | 70-130              | 26  | Q    | 20            |
| Naphthalene                                                                                        | 99               |      | 78                |      | 70-130              | 24  | Q    | 20            |
| n-Propylbenzene                                                                                    | 112              |      | 90                |      | 69-130              | 22  | Q    | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG674025-1 WG674025-2 |                  |      |                   |      |                     |     |      |               |
| 1,2,3-Trichlorobenzene                                                                             | 112              |      | 87                |      | 70-130              | 25  | Q    | 20            |
| 1,2,4-Trichlorobenzene                                                                             | 111              |      | 86                |      | 70-130              | 25  | Q    | 20            |
| 1,3,5-Trimethylbenzene                                                                             | 112              |      | 89                |      | 64-130              | 23  | Q    | 20            |
| 1,2,4-Trimethylbenzene                                                                             | 113              |      | 88                |      | 70-130              | 25  | Q    | 20            |
| 1,4-Dioxane                                                                                        | 110              |      | 74                |      | 56-162              | 39  | Q    | 20            |
| 1,4-Diethylbenzene                                                                                 | 112              |      | 84                |      | 70-130              | 29  | Q    | 20            |
| 4-Ethyltoluene                                                                                     | 116              |      | 91                |      | 70-130              | 24  | Q    | 20            |
| 1,2,4,5-Tetramethylbenzene                                                                         | 114              |      | 89                |      | 70-130              | 25  | Q    | 20            |
| Ethyl ether                                                                                        | 111              |      | 85                |      | 59-134              | 27  | Q    | 20            |
| trans-1,4-Dichloro-2-butene                                                                        | 93               |      | 70                |      | 70-130              | 28  | Q    | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 97               |      | 97                |      | 70-130                 |
| Toluene-d8            | 93               |      | 93                |      | 70-130                 |
| 4-Bromofluorobenzene  | 98               |      | 99                |      | 70-130                 |
| Dibromofluoromethane  | 104              |      | 101               |      | 70-130                 |

# SEMIVOLATILES

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-01  
**Client ID:** SB2 (0.5-3)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 18:27  
**Analyst:** PS  
**Percent Solids:** 90%

**Date Collected:** 03/04/14 09:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:52

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | 72     | J         | ug/kg | 150 | 38. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 60. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 34. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 51. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 60. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 60. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 58. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 56. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 49. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 40. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 47. | 1               |
| Fluoranthene                                     | 1000   |           | ug/kg | 110 | 34. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 56. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 42. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 220 | 64. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 56. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 52. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 530 | 120 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 150 | 33. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 49. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 61. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 44. | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/kg | 150 | 38. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 55. | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 48. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 36. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 45. | 1               |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 39. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 47. | 1               |
| Benzo(a)anthracene                               | 490    |           | ug/kg | 110 | 36. | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-01  
 Client ID: SB2 (0.5-3)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 09:25  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                                   | 450    |           | ug/kg | 150 | 45. | 1               |
| Benzo(b)fluoranthene                             | 570    |           | ug/kg | 110 | 37. | 1               |
| Benzo(k)fluoranthene                             | 250    |           | ug/kg | 110 | 35. | 1               |
| Chrysene                                         | 470    |           | ug/kg | 110 | 36. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 34. | 1               |
| Anthracene                                       | 150    |           | ug/kg | 110 | 30. | 1               |
| Benzo(ghi)perylene                               | 290    |           | ug/kg | 150 | 38. | 1               |
| Fluorene                                         | 53     | J         | ug/kg | 180 | 52. | 1               |
| Phenanthrene                                     | 620    |           | ug/kg | 110 | 36. | 1               |
| Dibenzo(a,h)anthracene                           | 73     | J         | ug/kg | 110 | 36. | 1               |
| Indeno(1,2,3-cd)Pyrene                           | 310    |           | ug/kg | 150 | 41. | 1               |
| Pyrene                                           | 790    |           | ug/kg | 110 | 36. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 420 | 60. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 48. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 52. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 51. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 50. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 61. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 59. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 57. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 57. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/kg | 180 | 53. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 55. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 59. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 55. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 57. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 59. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 880 | 250 | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 480 | 67. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 39. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 54. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 59. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 60. | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 59. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 590 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole                                        | 62     | J         | ug/kg | 180 | 39. | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-01  
 Client ID: SB2 (0.5-3)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 09:25  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 41         |           | 25-120              |
| Phenol-d6            | 44         |           | 10-120              |
| Nitrobenzene-d5      | 48         |           | 23-120              |
| 2-Fluorobiphenyl     | 43         |           | 30-120              |
| 2,4,6-Tribromophenol | 43         |           | 0-136               |
| 4-Terphenyl-d14      | 42         |           | 18-120              |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-02  
**Client ID:** TMW2  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 12:12  
**Analyst:** RC

**Date Collected:** 03/04/14 11:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:44

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.21 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.41 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.30 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.32 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.89 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.36 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.60 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 0.58 | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.79 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/l  | 2.0 | 0.34 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.93 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.39 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.33 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.24 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.96 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.67 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.83 | 1               |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.22 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.36 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.43 | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-02  
 Client ID: TMW2  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 11:30  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.78 | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.58 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.56 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 0.58 | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.0  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.1  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 1.4  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 1.4  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 0.27 | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.75 | 1               |
| Benzoic Acid                                     | 1.4    | J         | ug/l  | 50  | 1.0  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.68 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.37 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 34         |           | 21-120              |
| Phenol-d6            | 22         |           | 10-120              |
| Nitrobenzene-d5      | 48         |           | 23-120              |
| 2-Fluorobiphenyl     | 55         |           | 15-120              |
| 2,4,6-Tribromophenol | 66         |           | 10-120              |
| 4-Terphenyl-d14      | 67         |           | 41-149              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-02  
**Client ID:** TMW2  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 03/06/14 13:37  
**Analyst:** MW

**Date Collected:** 03/04/14 11:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 07:46

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluoranthene                                         | 0.07   | J         | ug/l  | 0.20 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.07 | 1               |
| Naphthalene                                          | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)pyrene                                       | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(b)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Chrysene                                             | ND     |           | ug/l  | 0.20 | 0.05 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.20 | 0.05 | 1               |
| Anthracene                                           | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(ghi)perylene                                   | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluorene                                             | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Phenanthrene                                         | 0.11   | J         | ug/l  | 0.20 | 0.06 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Indeno(1,2,3-cd)Pyrene                               | ND     |           | ug/l  | 0.20 | 0.08 | 1               |
| Pyrene                                               | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.19 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.07 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 39         |           | 21-120              |
| Phenol-d6            | 26         |           | 10-120              |
| Nitrobenzene-d5      | 65         |           | 23-120              |
| 2-Fluorobiphenyl     | 70         |           | 15-120              |
| 2,4,6-Tribromophenol | 70         |           | 10-120              |
| 4-Terphenyl-d14      | 83         |           | 41-149              |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-03  
**Client ID:** SB4 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 18:54  
**Analyst:** PS  
**Percent Solids:** 89%

**Date Collected:** 03/04/14 12:40  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:52

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | 45     | J         | ug/kg | 150 | 38. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 60. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 34. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 170 | 52. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 60. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 61. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 58. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 56. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 49. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 40. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 47. | 1               |
| Fluoranthene                                     | 1400   |           | ug/kg | 110 | 34. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 56. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 42. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 220 | 65. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 56. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 52. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 530 | 120 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 150 | 34. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 170 | 49. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 61. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 170 | 44. | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/kg | 150 | 39. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 55. | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 48. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 36. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 36. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 45. | 1               |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 39. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 47. | 1               |
| Benzo(a)anthracene                               | 520    |           | ug/kg | 110 | 36. | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-03  
 Client ID: SB4 (8-10)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 12:40  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                                   | 470    |           | ug/kg | 150 | 45. | 1               |
| Benzo(b)fluoranthene                             | 960    |           | ug/kg | 110 | 37. | 1               |
| Benzo(k)fluoranthene                             | 350    |           | ug/kg | 110 | 35. | 1               |
| Chrysene                                         | 900    |           | ug/kg | 110 | 36. | 1               |
| Acenaphthylene                                   | 34     | J         | ug/kg | 150 | 34. | 1               |
| Anthracene                                       | 130    |           | ug/kg | 110 | 31. | 1               |
| Benzo(ghi)perylene                               | 590    |           | ug/kg | 150 | 38. | 1               |
| Fluorene                                         | 56     | J         | ug/kg | 180 | 53. | 1               |
| Phenanthrene                                     | 900    |           | ug/kg | 110 | 36. | 1               |
| Dibenzo(a,h)anthracene                           | 110    |           | ug/kg | 110 | 36. | 1               |
| Indeno(1,2,3-cd)Pyrene                           | 550    |           | ug/kg | 150 | 41. | 1               |
| Pyrene                                           | 1300   |           | ug/kg | 110 | 36. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 420 | 61. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 49. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 52. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 51. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 50. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 62. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 59. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 57. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 57. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/kg | 180 | 54. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 170 | 60. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 55. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 58. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 60. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 890 | 250 | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 480 | 68. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 40. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 55. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 60. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 270 | 61. | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 60. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 57. | 1               |
| Carbazole                                        | 98     | J         | ug/kg | 180 | 40. | 1               |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

Lab ID: L1404493-03  
 Client ID: SB4 (8-10)  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 12:40  
 Date Received: 03/04/14  
 Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 49         |           | 25-120              |
| Phenol-d6            | 50         |           | 10-120              |
| Nitrobenzene-d5      | 51         |           | 23-120              |
| 2-Fluorobiphenyl     | 44         |           | 30-120              |
| 2,4,6-Tribromophenol | 58         |           | 0-136               |
| 4-Terphenyl-d14      | 45         |           | 18-120              |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 17:51  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 01:20

| Parameter                                                                               | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG673636-1 |        |           |       |     |     |
| Acenaphthene                                                                            | ND     |           | ug/kg | 130 | 34. |
| 1,2,4-Trichlorobenzene                                                                  | ND     |           | ug/kg | 170 | 54. |
| Hexachlorobenzene                                                                       | ND     |           | ug/kg | 100 | 31. |
| Bis(2-chloroethyl)ether                                                                 | ND     |           | ug/kg | 150 | 46. |
| 2-Chloronaphthalene                                                                     | ND     |           | ug/kg | 170 | 54. |
| 1,2-Dichlorobenzene                                                                     | ND     |           | ug/kg | 170 | 54. |
| 1,3-Dichlorobenzene                                                                     | ND     |           | ug/kg | 170 | 52. |
| 1,4-Dichlorobenzene                                                                     | ND     |           | ug/kg | 170 | 50. |
| 3,3'-Dichlorobenzidine                                                                  | ND     |           | ug/kg | 170 | 44. |
| 2,4-Dinitrotoluene                                                                      | ND     |           | ug/kg | 170 | 36. |
| 2,6-Dinitrotoluene                                                                      | ND     |           | ug/kg | 170 | 42. |
| Fluoranthene                                                                            | ND     |           | ug/kg | 100 | 30. |
| 4-Chlorophenyl phenyl ether                                                             | ND     |           | ug/kg | 170 | 50. |
| 4-Bromophenyl phenyl ether                                                              | ND     |           | ug/kg | 170 | 38. |
| Bis(2-chloroisopropyl)ether                                                             | ND     |           | ug/kg | 200 | 58. |
| Bis(2-chloroethoxy)methane                                                              | ND     |           | ug/kg | 180 | 50. |
| Hexachlorobutadiene                                                                     | ND     |           | ug/kg | 170 | 47. |
| Hexachlorocyclopentadiene                                                               | ND     |           | ug/kg | 480 | 110 |
| Hexachloroethane                                                                        | ND     |           | ug/kg | 130 | 30. |
| Isophorone                                                                              | ND     |           | ug/kg | 150 | 44. |
| Naphthalene                                                                             | ND     |           | ug/kg | 170 | 55. |
| Nitrobenzene                                                                            | ND     |           | ug/kg | 150 | 40. |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                          | ND     |           | ug/kg | 130 | 35. |
| n-Nitrosodi-n-propylamine                                                               | ND     |           | ug/kg | 170 | 49. |
| Bis(2-Ethylhexyl)phthalate                                                              | ND     |           | ug/kg | 170 | 44. |
| Butyl benzyl phthalate                                                                  | ND     |           | ug/kg | 170 | 32. |
| Di-n-butylphthalate                                                                     | ND     |           | ug/kg | 170 | 32. |
| Di-n-octylphthalate                                                                     | ND     |           | ug/kg | 170 | 41. |
| Diethyl phthalate                                                                       | ND     |           | ug/kg | 170 | 35. |
| Dimethyl phthalate                                                                      | ND     |           | ug/kg | 170 | 42. |
| Benzo(a)anthracene                                                                      | ND     |           | ug/kg | 100 | 32. |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 17:51  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 01:20

| Parameter                                                                               | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG673636-1 |        |           |       |     |     |
| Benzo(a)pyrene                                                                          | ND     |           | ug/kg | 130 | 41. |
| Benzo(b)fluoranthene                                                                    | ND     |           | ug/kg | 100 | 34. |
| Benzo(k)fluoranthene                                                                    | ND     |           | ug/kg | 100 | 32. |
| Chrysene                                                                                | ND     |           | ug/kg | 100 | 33. |
| Acenaphthylene                                                                          | ND     |           | ug/kg | 130 | 31. |
| Anthracene                                                                              | ND     |           | ug/kg | 100 | 28. |
| Benzo(ghi)perylene                                                                      | ND     |           | ug/kg | 130 | 34. |
| Fluorene                                                                                | ND     |           | ug/kg | 170 | 48. |
| Phenanthrene                                                                            | ND     |           | ug/kg | 100 | 32. |
| Dibenzo(a,h)anthracene                                                                  | ND     |           | ug/kg | 100 | 32. |
| Indeno(1,2,3-cd)Pyrene                                                                  | ND     |           | ug/kg | 130 | 37. |
| Pyrene                                                                                  | ND     |           | ug/kg | 100 | 32. |
| Biphenyl                                                                                | ND     |           | ug/kg | 380 | 55. |
| 4-Chloroaniline                                                                         | ND     |           | ug/kg | 170 | 44. |
| 2-Nitroaniline                                                                          | ND     |           | ug/kg | 170 | 47. |
| 3-Nitroaniline                                                                          | ND     |           | ug/kg | 170 | 46. |
| 4-Nitroaniline                                                                          | ND     |           | ug/kg | 170 | 45. |
| Dibenzofuran                                                                            | ND     |           | ug/kg | 170 | 55. |
| 2-Methylnaphthalene                                                                     | ND     |           | ug/kg | 200 | 53. |
| 1,2,4,5-Tetrachlorobenzene                                                              | ND     |           | ug/kg | 170 | 51. |
| Acetophenone                                                                            | ND     |           | ug/kg | 170 | 51. |
| 2,4,6-Trichlorophenol                                                                   | ND     |           | ug/kg | 100 | 31. |
| P-Chloro-M-Cresol                                                                       | ND     |           | ug/kg | 170 | 48. |
| 2-Chlorophenol                                                                          | ND     |           | ug/kg | 170 | 50. |
| 2,4-Dichlorophenol                                                                      | ND     |           | ug/kg | 150 | 54. |
| 2,4-Dimethylphenol                                                                      | ND     |           | ug/kg | 170 | 49. |
| 2-Nitrophenol                                                                           | ND     |           | ug/kg | 360 | 52. |
| 4-Nitrophenol                                                                           | ND     |           | ug/kg | 230 | 54. |
| 2,4-Dinitrophenol                                                                       | ND     |           | ug/kg | 800 | 230 |
| 4,6-Dinitro-o-cresol                                                                    | ND     |           | ug/kg | 430 | 61. |
| Pentachlorophenol                                                                       | ND     |           | ug/kg | 130 | 36. |



Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 17:51  
 Analyst: PS

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 01:20

| Parameter                                                                               | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG673636-1 |        |           |       |     |     |
| Phenol                                                                                  | ND     |           | ug/kg | 170 | 49. |
| 2-Methylphenol                                                                          | ND     |           | ug/kg | 170 | 53. |
| 3-Methylphenol/4-Methylphenol                                                           | ND     |           | ug/kg | 240 | 54. |
| 2,4,5-Trichlorophenol                                                                   | ND     |           | ug/kg | 170 | 54. |
| Benzoic Acid                                                                            | ND     |           | ug/kg | 540 | 170 |
| Benzyl Alcohol                                                                          | ND     |           | ug/kg | 170 | 51. |
| Carbazole                                                                               | ND     |           | ug/kg | 170 | 36. |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 48        |           | 25-120                 |
| Phenol-d6            | 44        |           | 10-120                 |
| Nitrobenzene-d5      | 43        |           | 23-120                 |
| 2-Fluorobiphenyl     | 51        |           | 30-120                 |
| 2,4,6-Tribromophenol | 59        |           | 0-136                  |
| 4-Terphenyl-d14      | 60        |           | 18-120                 |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 09:40  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:44

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG673672-1 |        |           |       |     |      |
| 1,2,4-Trichlorobenzene                                                               | ND     |           | ug/l  | 5.0 | 0.21 |
| Bis(2-chloroethyl)ether                                                              | ND     |           | ug/l  | 2.0 | 0.41 |
| 1,2-Dichlorobenzene                                                                  | ND     |           | ug/l  | 2.0 | 0.30 |
| 1,3-Dichlorobenzene                                                                  | ND     |           | ug/l  | 2.0 | 0.35 |
| 1,4-Dichlorobenzene                                                                  | ND     |           | ug/l  | 2.0 | 0.32 |
| 3,3'-Dichlorobenzidine                                                               | ND     |           | ug/l  | 5.0 | 0.48 |
| 2,4-Dinitrotoluene                                                                   | ND     |           | ug/l  | 5.0 | 1.0  |
| 2,6-Dinitrotoluene                                                                   | ND     |           | ug/l  | 5.0 | 0.89 |
| 4-Chlorophenyl phenyl ether                                                          | ND     |           | ug/l  | 2.0 | 0.36 |
| 4-Bromophenyl phenyl ether                                                           | ND     |           | ug/l  | 2.0 | 0.43 |
| Bis(2-chloroisopropyl)ether                                                          | ND     |           | ug/l  | 2.0 | 0.60 |
| Bis(2-chloroethoxy)methane                                                           | ND     |           | ug/l  | 5.0 | 0.60 |
| Hexachlorocyclopentadiene                                                            | ND     |           | ug/l  | 20  | 0.58 |
| Isophorone                                                                           | ND     |           | ug/l  | 5.0 | 0.79 |
| Nitrobenzene                                                                         | ND     |           | ug/l  | 2.0 | 0.40 |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                       | ND     |           | ug/l  | 2.0 | 0.34 |
| n-Nitrosodi-n-propylamine                                                            | ND     |           | ug/l  | 5.0 | 0.64 |
| Bis(2-Ethylhexyl)phthalate                                                           | ND     |           | ug/l  | 3.0 | 0.93 |
| Butyl benzyl phthalate                                                               | ND     |           | ug/l  | 5.0 | 1.1  |
| Di-n-butylphthalate                                                                  | ND     |           | ug/l  | 5.0 | 0.77 |
| Di-n-octylphthalate                                                                  | ND     |           | ug/l  | 5.0 | 1.2  |
| Diethyl phthalate                                                                    | ND     |           | ug/l  | 5.0 | 0.39 |
| Dimethyl phthalate                                                                   | ND     |           | ug/l  | 5.0 | 0.33 |
| Biphenyl                                                                             | ND     |           | ug/l  | 2.0 | 0.24 |
| 4-Chloroaniline                                                                      | ND     |           | ug/l  | 5.0 | 0.84 |
| 2-Nitroaniline                                                                       | ND     |           | ug/l  | 5.0 | 0.96 |
| 3-Nitroaniline                                                                       | ND     |           | ug/l  | 5.0 | 0.67 |
| 4-Nitroaniline                                                                       | ND     |           | ug/l  | 5.0 | 0.83 |
| Dibenzofuran                                                                         | ND     |           | ug/l  | 2.0 | 0.22 |
| 1,2,4,5-Tetrachlorobenzene                                                           | ND     |           | ug/l  | 10  | 0.36 |
| Acetophenone                                                                         | ND     |           | ug/l  | 5.0 | 0.43 |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/06/14 09:40  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:44

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG673672-1 |        |           |       |     |      |
| 2,4,6-Trichlorophenol                                                                | ND     |           | ug/l  | 5.0 | 0.78 |
| P-Chloro-M-Cresol                                                                    | ND     |           | ug/l  | 2.0 | 0.54 |
| 2-Chlorophenol                                                                       | ND     |           | ug/l  | 2.0 | 0.58 |
| 2,4-Dichlorophenol                                                                   | ND     |           | ug/l  | 5.0 | 0.56 |
| 2,4-Dimethylphenol                                                                   | ND     |           | ug/l  | 5.0 | 0.58 |
| 2-Nitrophenol                                                                        | ND     |           | ug/l  | 10  | 1.0  |
| 4-Nitrophenol                                                                        | ND     |           | ug/l  | 10  | 1.1  |
| 2,4-Dinitrophenol                                                                    | ND     |           | ug/l  | 20  | 1.4  |
| 4,6-Dinitro-o-cresol                                                                 | ND     |           | ug/l  | 10  | 1.4  |
| Phenol                                                                               | ND     |           | ug/l  | 5.0 | 0.27 |
| 2-Methylphenol                                                                       | ND     |           | ug/l  | 5.0 | 0.70 |
| 3-Methylphenol/4-Methylphenol                                                        | ND     |           | ug/l  | 5.0 | 0.72 |
| 2,4,5-Trichlorophenol                                                                | ND     |           | ug/l  | 5.0 | 0.75 |
| Benzoic Acid                                                                         | ND     |           | ug/l  | 50  | 1.0  |
| Benzyl Alcohol                                                                       | ND     |           | ug/l  | 2.0 | 0.68 |
| Carbazole                                                                            | ND     |           | ug/l  | 2.0 | 0.37 |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 36        |           | 21-120                 |
| Phenol-d6            | 24        |           | 10-120                 |
| Nitrobenzene-d5      | 65        |           | 23-120                 |
| 2-Fluorobiphenyl     | 57        |           | 15-120                 |
| 2,4,6-Tribromophenol | 57        |           | 10-120                 |
| 4-Terphenyl-d14      | 69        |           | 41-149                 |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/06/14 11:35  
 Analyst: MW

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:46

| Parameter                                                                                | Result | Qualifier | Units | RL   | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG673674-1 |        |           |       |      |      |
| Acenaphthene                                                                             | ND     |           | ug/l  | 0.20 | 0.06 |
| 2-Chloronaphthalene                                                                      | ND     |           | ug/l  | 0.20 | 0.07 |
| Fluoranthene                                                                             | ND     |           | ug/l  | 0.20 | 0.04 |
| Hexachlorobutadiene                                                                      | ND     |           | ug/l  | 0.50 | 0.07 |
| Naphthalene                                                                              | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(a)anthracene                                                                       | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(a)pyrene                                                                           | ND     |           | ug/l  | 0.20 | 0.07 |
| Benzo(b)fluoranthene                                                                     | ND     |           | ug/l  | 0.20 | 0.07 |
| Benzo(k)fluoranthene                                                                     | ND     |           | ug/l  | 0.20 | 0.07 |
| Chrysene                                                                                 | ND     |           | ug/l  | 0.20 | 0.05 |
| Acenaphthylene                                                                           | ND     |           | ug/l  | 0.20 | 0.05 |
| Anthracene                                                                               | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(ghi)perylene                                                                       | ND     |           | ug/l  | 0.20 | 0.07 |
| Fluorene                                                                                 | ND     |           | ug/l  | 0.20 | 0.06 |
| Phenanthrene                                                                             | ND     |           | ug/l  | 0.20 | 0.06 |
| Dibenzo(a,h)anthracene                                                                   | ND     |           | ug/l  | 0.20 | 0.07 |
| Indeno(1,2,3-cd)Pyrene                                                                   | ND     |           | ug/l  | 0.20 | 0.08 |
| Pyrene                                                                                   | ND     |           | ug/l  | 0.20 | 0.06 |
| 2-Methylnaphthalene                                                                      | ND     |           | ug/l  | 0.20 | 0.06 |
| Pentachlorophenol                                                                        | ND     |           | ug/l  | 0.80 | 0.19 |
| Hexachlorobenzene                                                                        | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachloroethane                                                                         | ND     |           | ug/l  | 0.80 | 0.07 |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/06/14 11:35  
 Analyst: MW

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 07:46

| Parameter                                                                                | Result | Qualifier | Units | RL | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG673674-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 41        |           | 21-120                 |
| Phenol-d6            | 27        |           | 10-120                 |
| Nitrobenzene-d5      | 64        |           | 23-120                 |
| 2-Fluorobiphenyl     | 70        |           | 15-120                 |
| 2,4,6-Tribromophenol | 66        |           | 10-120                 |
| 4-Terphenyl-d14      | 97        |           | 41-149                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG673636-2 WG673636-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                              | 60               |      | 51                |      | 31-137              | 16  |      | 50            |
| 1,2,4-Trichlorobenzene                                                                                    | 60               |      | 49                |      | 38-107              | 20  |      | 50            |
| Hexachlorobenzene                                                                                         | 72               |      | 61                |      | 40-140              | 17  |      | 50            |
| Bis(2-chloroethyl)ether                                                                                   | 46               |      | 38                | Q    | 40-140              | 19  |      | 50            |
| 2-Chloronaphthalene                                                                                       | 63               |      | 51                |      | 40-140              | 21  |      | 50            |
| 1,2-Dichlorobenzene                                                                                       | 56               |      | 45                |      | 40-140              | 22  |      | 50            |
| 1,3-Dichlorobenzene                                                                                       | 54               |      | 43                |      | 40-140              | 23  |      | 50            |
| 1,4-Dichlorobenzene                                                                                       | 54               |      | 43                |      | 28-104              | 23  |      | 50            |
| 3,3'-Dichlorobenzidine                                                                                    | 44               |      | 34                | Q    | 40-140              | 26  |      | 50            |
| 2,4-Dinitrotoluene                                                                                        | 63               |      | 54                |      | 28-89               | 15  |      | 50            |
| 2,6-Dinitrotoluene                                                                                        | 59               |      | 54                |      | 40-140              | 9   |      | 50            |
| Fluoranthene                                                                                              | 66               |      | 58                |      | 40-140              | 13  |      | 50            |
| 4-Chlorophenyl phenyl ether                                                                               | 67               |      | 58                |      | 40-140              | 14  |      | 50            |
| 4-Bromophenyl phenyl ether                                                                                | 69               |      | 60                |      | 40-140              | 14  |      | 50            |
| Bis(2-chloroisopropyl)ether                                                                               | 34               | Q    | 28                | Q    | 40-140              | 19  |      | 50            |
| Bis(2-chloroethoxy)methane                                                                                | 47               |      | 40                |      | 40-117              | 16  |      | 50            |
| Hexachlorobutadiene                                                                                       | 63               |      | 51                |      | 40-140              | 21  |      | 50            |
| Hexachlorocyclopentadiene                                                                                 | 47               |      | 37                | Q    | 40-140              | 24  |      | 50            |
| Hexachloroethane                                                                                          | 49               |      | 40                |      | 40-140              | 20  |      | 50            |
| Isophorone                                                                                                | 48               |      | 38                | Q    | 40-140              | 23  |      | 50            |
| Naphthalene                                                                                               | 55               |      | 44                |      | 40-140              | 22  |      | 50            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG673636-2 WG673636-3 |                  |      |                   |      |                     |     |      |               |
| Nitrobenzene                                                                                              | 51               |      | 40                |      | 40-140              | 24  |      | 50            |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                                            | 65               |      | 56                |      |                     | 15  |      | 50            |
| n-Nitrosodi-n-propylamine                                                                                 | 46               |      | 37                |      | 32-121              | 22  |      | 50            |
| Bis(2-Ethylhexyl)phthalate                                                                                | 59               |      | 52                |      | 40-140              | 13  |      | 50            |
| Butyl benzyl phthalate                                                                                    | 59               |      | 51                |      | 40-140              | 15  |      | 50            |
| Di-n-butylphthalate                                                                                       | 62               |      | 55                |      | 40-140              | 12  |      | 50            |
| Di-n-octylphthalate                                                                                       | 60               |      | 52                |      | 40-140              | 14  |      | 50            |
| Diethyl phthalate                                                                                         | 62               |      | 54                |      | 40-140              | 14  |      | 50            |
| Dimethyl phthalate                                                                                        | 62               |      | 53                |      | 40-140              | 16  |      | 50            |
| Benzo(a)anthracene                                                                                        | 68               |      | 58                |      | 40-140              | 16  |      | 50            |
| Benzo(a)pyrene                                                                                            | 66               |      | 57                |      | 40-140              | 15  |      | 50            |
| Benzo(b)fluoranthene                                                                                      | 59               |      | 52                |      | 40-140              | 13  |      | 50            |
| Benzo(k)fluoranthene                                                                                      | 73               |      | 62                |      | 40-140              | 16  |      | 50            |
| Chrysene                                                                                                  | 66               |      | 56                |      | 40-140              | 16  |      | 50            |
| Acenaphthylene                                                                                            | 60               |      | 51                |      | 40-140              | 16  |      | 50            |
| Anthracene                                                                                                | 65               |      | 57                |      | 40-140              | 13  |      | 50            |
| Benzo(ghi)perylene                                                                                        | 67               |      | 59                |      | 40-140              | 13  |      | 50            |
| Fluorene                                                                                                  | 63               |      | 54                |      | 40-140              | 15  |      | 50            |
| Phenanthrene                                                                                              | 65               |      | 56                |      | 40-140              | 15  |      | 50            |
| Dibenzo(a,h)anthracene                                                                                    | 68               |      | 59                |      | 40-140              | 14  |      | 50            |
| Indeno(1,2,3-cd)Pyrene                                                                                    | 68               |      | 57                |      | 40-140              | 18  |      | 50            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG673636-2 WG673636-3 |                  |      |                   |      |                     |     |      |               |
| Pyrene                                                                                                    | 65               |      | 57                |      | 35-142              | 13  |      | 50            |
| Biphenyl                                                                                                  | 69               |      | 55                |      |                     | 23  |      | 50            |
| 4-Chloroaniline                                                                                           | 49               |      | 43                |      | 40-140              | 13  |      | 50            |
| 2-Nitroaniline                                                                                            | 61               |      | 55                |      | 47-134              | 10  |      | 50            |
| 3-Nitroaniline                                                                                            | 24               | Q    | 17                | Q    | 26-129              | 34  |      | 50            |
| 4-Nitroaniline                                                                                            | 55               |      | 46                |      | 41-125              | 18  |      | 50            |
| Dibenzofuran                                                                                              | 64               |      | 55                |      | 40-140              | 15  |      | 50            |
| 2-Methylnaphthalene                                                                                       | 60               |      | 50                |      | 40-140              | 18  |      | 50            |
| 1,2,4,5-Tetrachlorobenzene                                                                                | 68               |      | 54                |      | 40-117              | 23  |      | 50            |
| Acetophenone                                                                                              | 55               |      | 44                |      | 14-144              | 22  |      | 50            |
| 2,4,6-Trichlorophenol                                                                                     | 66               |      | 55                |      | 30-130              | 18  |      | 50            |
| P-Chloro-M-Cresol                                                                                         | 59               |      | 50                |      | 26-103              | 17  |      | 50            |
| 2-Chlorophenol                                                                                            | 56               |      | 44                |      | 25-102              | 24  |      | 50            |
| 2,4-Dichlorophenol                                                                                        | 62               |      | 50                |      | 30-130              | 21  |      | 50            |
| 2,4-Dimethylphenol                                                                                        | 57               |      | 45                |      | 30-130              | 24  |      | 50            |
| 2-Nitrophenol                                                                                             | 56               |      | 44                |      | 30-130              | 24  |      | 50            |
| 4-Nitrophenol                                                                                             | 53               |      | 46                |      | 11-114              | 14  |      | 50            |
| 2,4-Dinitrophenol                                                                                         | 40               |      | 35                |      | 4-130               | 13  |      | 50            |
| 4,6-Dinitro-o-cresol                                                                                      | 60               |      | 50                |      | 10-130              | 18  |      | 50            |
| Pentachlorophenol                                                                                         | 62               |      | 53                |      | 17-109              | 16  |      | 50            |
| Phenol                                                                                                    | 51               |      | 41                |      | 26-90               | 22  |      | 50            |



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG673636-2 WG673636-3 |                  |      |                   |      |                     |     |      |               |
| 2-Methylphenol                                                                                            | 52               |      | 41                |      | 30-130.             | 24  |      | 50            |
| 3-Methylphenol/4-Methylphenol                                                                             | 55               |      | 45                |      | 30-130              | 20  |      | 50            |
| 2,4,5-Trichlorophenol                                                                                     | 66               |      | 58                |      | 30-130              | 13  |      | 50            |
| Benzoic Acid                                                                                              | 11               |      | 9                 |      |                     | 20  |      | 50            |
| Benzyl Alcohol                                                                                            | 54               |      | 43                |      | 40-140              | 23  |      | 50            |
| Carbazole                                                                                                 | 66               |      | 58                |      | 54-128              | 13  |      | 50            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 57               |      | 45                |      | 25-120                 |
| Phenol-d6            | 55               |      | 42                |      | 10-120                 |
| Nitrobenzene-d5      | 52               |      | 45                |      | 23-120                 |
| 2-Fluorobiphenyl     | 66               |      | 54                |      | 30-120                 |
| 2,4,6-Tribromophenol | 79               |      | 68                |      | 0-136                  |
| 4-Terphenyl-d14      | 72               |      | 60                |      | 18-120                 |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG673672-2 WG673672-3 |                  |      |                   |      |                     |     |      |               |
| 1,2,4-Trichlorobenzene                                                                                 | 45               |      | 54                |      | 39-98               | 18  |      | 30            |
| Bis(2-chloroethyl)ether                                                                                | 74               |      | 76                |      | 40-140              | 3   |      | 30            |
| 1,2-Dichlorobenzene                                                                                    | 54               |      | 57                |      | 40-140              | 5   |      | 30            |
| 1,3-Dichlorobenzene                                                                                    | 55               |      | 54                |      | 40-140              | 2   |      | 30            |
| 1,4-Dichlorobenzene                                                                                    | 52               |      | 53                |      | 36-97               | 2   |      | 30            |
| 3,3'-Dichlorobenzidine                                                                                 | 50               |      | 48                |      | 40-140              | 4   |      | 30            |
| 2,4-Dinitrotoluene                                                                                     | 81               |      | 84                |      | 24-96               | 4   |      | 30            |
| 2,6-Dinitrotoluene                                                                                     | 64               |      | 103               |      | 40-140              | 47  | Q    | 30            |
| 4-Chlorophenyl phenyl ether                                                                            | 74               |      | 70                |      | 40-140              | 6   |      | 30            |
| 4-Bromophenyl phenyl ether                                                                             | 73               |      | 74                |      | 40-140              | 1   |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                            | 91               |      | 92                |      | 40-140              | 1   |      | 30            |
| Bis(2-chloroethoxy)methane                                                                             | 79               |      | 85                |      | 40-140              | 7   |      | 30            |
| Hexachlorocyclopentadiene                                                                              | 36               | Q    | 41                |      | 40-140              | 13  |      | 30            |
| Isophorone                                                                                             | 80               |      | 88                |      | 40-140              | 10  |      | 30            |
| Nitrobenzene                                                                                           | 63               |      | 73                |      | 40-140              | 15  |      | 30            |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                                         | 81               |      | 79                |      | 40-140              | 3   |      | 30            |
| n-Nitrosodi-n-propylamine                                                                              | 84               |      | 86                |      | 29-132              | 2   |      | 30            |
| Bis(2-Ethylhexyl)phthalate                                                                             | 96               |      | 102               |      | 40-140              | 6   |      | 30            |
| Butyl benzyl phthalate                                                                                 | 84               |      | 98                |      | 40-140              | 15  |      | 30            |
| Di-n-butylphthalate                                                                                    | 82               |      | 94                |      | 40-140              | 14  |      | 30            |
| Di-n-octylphthalate                                                                                    | 94               |      | 95                |      | 40-140              | 1   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG673672-2 WG673672-3 |                  |      |                   |      |                     |     |      |               |
| Diethyl phthalate                                                                                      | 83               |      | 80                |      | 40-140              | 4   |      | 30            |
| Dimethyl phthalate                                                                                     | 78               |      | 91                |      | 40-140              | 15  |      | 30            |
| Biphenyl                                                                                               | 67               |      | 63                |      |                     | 6   |      | 30            |
| 4-Chloroaniline                                                                                        | 61               |      | 70                |      | 40-140              | 14  |      | 30            |
| 2-Nitroaniline                                                                                         | 68               |      | 93                |      | 52-143              | 31  | Q    | 30            |
| 3-Nitroaniline                                                                                         | 52               |      | 51                |      | 25-145              | 2   |      | 30            |
| 4-Nitroaniline                                                                                         | 79               |      | 77                |      | 51-143              | 3   |      | 30            |
| Dibenzofuran                                                                                           | 76               |      | 77                |      | 40-140              | 1   |      | 30            |
| 1,2,4,5-Tetrachlorobenzene                                                                             | 59               |      | 54                |      | 2-134               | 9   |      | 30            |
| Acetophenone                                                                                           | 76               |      | 84                |      | 39-129              | 10  |      | 30            |
| 2,4,6-Trichlorophenol                                                                                  | 63               |      | 82                |      | 30-130              | 26  |      | 30            |
| P-Chloro-M-Cresol                                                                                      | 68               |      | 89                |      | 23-97               | 27  |      | 30            |
| 2-Chlorophenol                                                                                         | 68               |      | 74                |      | 27-123              | 8   |      | 30            |
| 2,4-Dichlorophenol                                                                                     | 62               |      | 81                |      | 30-130              | 27  |      | 30            |
| 2,4-Dimethylphenol                                                                                     | 78               |      | 90                |      | 30-130              | 14  |      | 30            |
| 2-Nitrophenol                                                                                          | 70               |      | 81                |      | 30-130              | 15  |      | 30            |
| 4-Nitrophenol                                                                                          | 65               |      | 66                |      | 10-80               | 2   |      | 30            |
| 2,4-Dinitrophenol                                                                                      | 65               |      | 74                |      | 20-130              | 13  |      | 30            |
| 4,6-Dinitro-o-cresol                                                                                   | 77               |      | 76                |      | 20-164              | 1   |      | 30            |
| Phenol                                                                                                 | 33               |      | 39                |      | 12-110              | 17  |      | 30            |
| 2-Methylphenol                                                                                         | 65               |      | 75                |      | 30-130              | 14  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG673672-2 WG673672-3 |                  |      |                   |      |                     |     |      |               |
| 3-Methylphenol/4-Methylphenol                                                                          | 69               |      | 76                |      | 30-130              | 10  |      | 30            |
| 2,4,5-Trichlorophenol                                                                                  | 62               |      | 87                |      | 30-130              | 34  | Q    | 30            |
| Benzoic Acid                                                                                           | 24               |      | 36                |      |                     | 40  | Q    | 30            |
| Benzyl Alcohol                                                                                         | 61               |      | 71                |      |                     | 15  |      | 30            |
| Carbazole                                                                                              | 85               |      | 89                |      | 55-144              | 5   |      | 30            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 48               |      | 51                |      | 21-120                 |
| Phenol-d6            | 33               |      | 37                |      | 10-120                 |
| Nitrobenzene-d5      | 76               |      | 83                |      | 23-120                 |
| 2-Fluorobiphenyl     | 56               |      | 72                |      | 15-120                 |
| 2,4,6-Tribromophenol | 73               |      | 88                |      | 10-120                 |
| 4-Terphenyl-d14      | 71               |      | 87                |      | 41-149                 |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG673674-2 WG673674-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                               | 81               |      | 79                |      | 37-111              | 3   |      | 40            |
| 2-Chloronaphthalene                                                                                        | 77               |      | 79                |      | 40-140              | 3   |      | 40            |
| Fluoranthene                                                                                               | 102              |      | 96                |      | 40-140              | 6   |      | 40            |
| Hexachlorobutadiene                                                                                        | 68               |      | 70                |      | 40-140              | 3   |      | 40            |
| Naphthalene                                                                                                | 75               |      | 75                |      | 40-140              | 0   |      | 40            |
| Benzo(a)anthracene                                                                                         | 99               |      | 99                |      | 40-140              | 0   |      | 40            |
| Benzo(a)pyrene                                                                                             | 93               |      | 93                |      | 40-140              | 0   |      | 40            |
| Benzo(b)fluoranthene                                                                                       | 95               |      | 106               |      | 40-140              | 11  |      | 40            |
| Benzo(k)fluoranthene                                                                                       | 98               |      | 90                |      | 40-140              | 9   |      | 40            |
| Chrysene                                                                                                   | 90               |      | 90                |      | 40-140              | 0   |      | 40            |
| Acenaphthylene                                                                                             | 85               |      | 90                |      | 40-140              | 6   |      | 40            |
| Anthracene                                                                                                 | 90               |      | 87                |      | 40-140              | 3   |      | 40            |
| Benzo(ghi)perylene                                                                                         | 98               |      | 100               |      | 40-140              | 2   |      | 40            |
| Fluorene                                                                                                   | 88               |      | 87                |      | 40-140              | 1   |      | 40            |
| Phenanthrene                                                                                               | 85               |      | 85                |      | 40-140              | 0   |      | 40            |
| Dibenzo(a,h)anthracene                                                                                     | 101              |      | 103               |      | 40-140              | 2   |      | 40            |
| Indeno(1,2,3-cd)Pyrene                                                                                     | 102              |      | 103               |      | 40-140              | 1   |      | 40            |
| Pyrene                                                                                                     | 97               |      | 93                |      | 26-127              | 4   |      | 40            |
| 2-Methylnaphthalene                                                                                        | 78               |      | 80                |      | 40-140              | 3   |      | 40            |
| Pentachlorophenol                                                                                          | 88               |      | 94                |      | 9-103               | 7   |      | 40            |
| Hexachlorobenzene                                                                                          | 79               |      | 86                |      | 40-140              | 8   |      | 40            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404493**Report Date:** 03/11/14

| <b>Parameter</b>                                                                                           | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG673674-2 WG673674-3 |                          |             |                           |             |                             |            |             |                       |
| Hexachloroethane                                                                                           | 69                       |             | 69                        |             | 40-140                      | 0          |             | 40                    |

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 50                       |             | 51                        |             | 21-120                         |
| Phenol-d6            | 33                       |             | 33                        |             | 10-120                         |
| Nitrobenzene-d5      | 75                       |             | 76                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 85                       |             | 86                        |             | 15-120                         |
| 2,4,6-Tribromophenol | 96                       |             | 99                        |             | 10-120                         |
| 4-Terphenyl-d14      | 100                      |             | 96                        |             | 41-149                         |

# PCBS

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-01  
**Client ID:** SB2 (0.5-3)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/05/14 17:31  
**Analyst:** JW  
**Percent Solids:** 90%

**Date Collected:** 03/04/14 09:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 01:56  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/05/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/05/14

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.2 | 2.86 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.2 | 3.33 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.2 | 4.24 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.2 | 4.42 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.2 | 3.05 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.2 | 2.97 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 36.2 | 2.76 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.2 | 1.79 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.2 | 5.24 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 37         |           | 30-150              | A      |
| Decachlorobiphenyl           | 38         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 41         |           | 30-150              | B      |
| Decachlorobiphenyl           | 57         |           | 30-150              | B      |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-02  
**Client ID:** TMW2  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/06/14 10:29  
**Analyst:** JW

**Date Collected:** 03/04/14 11:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 00:54  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/06/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.055 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.053 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.031 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.060 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.051 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.029 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.038 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | A      |
| Decachlorobiphenyl           | 72         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | B      |
| Decachlorobiphenyl           | 73         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-03  
**Client ID:** SB4 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/06/14 09:18  
**Analyst:** JW  
**Percent Solids:** 89%

**Date Collected:** 03/04/14 12:40  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 19:01  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/06/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 35.4 | 2.80 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 35.4 | 3.26 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 35.4 | 4.15 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 35.4 | 4.33 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 35.4 | 2.99 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 35.4 | 2.91 | 1               | A      |
| Aroclor 1260                                      | 25.8   | J         | ug/kg | 35.4 | 2.70 | 1               | B      |
| Aroclor 1262                                      | ND     |           | ug/kg | 35.4 | 1.76 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 35.4 | 5.13 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 43         |           | 30-150              | A      |
| Decachlorobiphenyl           | 48         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 46         |           | 30-150              | B      |
| Decachlorobiphenyl           | 45         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 03/06/14 09:50  
 Analyst: JW

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 00:54  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/06/14  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/06/14

| Parameter                                                                             | Result | Qualifier | Units | RL    | MDL   | Column |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG673631-1 |        |           |       |       |       |        |
| Aroclor 1016                                                                          | ND     |           | ug/l  | 0.083 | 0.055 | A      |
| Aroclor 1221                                                                          | ND     |           | ug/l  | 0.083 | 0.053 | A      |
| Aroclor 1232                                                                          | ND     |           | ug/l  | 0.083 | 0.031 | A      |
| Aroclor 1242                                                                          | ND     |           | ug/l  | 0.083 | 0.060 | A      |
| Aroclor 1248                                                                          | ND     |           | ug/l  | 0.083 | 0.051 | A      |
| Aroclor 1254                                                                          | ND     |           | ug/l  | 0.083 | 0.034 | A      |
| Aroclor 1260                                                                          | ND     |           | ug/l  | 0.083 | 0.032 | A      |
| Aroclor 1262                                                                          | ND     |           | ug/l  | 0.083 | 0.029 | A      |
| Aroclor 1268                                                                          | ND     |           | ug/l  | 0.083 | 0.038 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 89        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 71        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 91        |           | 30-150                 | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 03/05/14 11:07  
 Analyst: JW

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 01:56  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/05/14  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/05/14

| Parameter                                                                             | Result | Qualifier | Units | RL   | MDL  | Column |
|---------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG673641-1 |        |           |       |      |      |        |
| Aroclor 1016                                                                          | ND     |           | ug/kg | 33.2 | 2.62 | A      |
| Aroclor 1221                                                                          | ND     |           | ug/kg | 33.2 | 3.06 | A      |
| Aroclor 1232                                                                          | ND     |           | ug/kg | 33.2 | 3.89 | A      |
| Aroclor 1242                                                                          | ND     |           | ug/kg | 33.2 | 4.07 | A      |
| Aroclor 1248                                                                          | ND     |           | ug/kg | 33.2 | 2.80 | A      |
| Aroclor 1254                                                                          | ND     |           | ug/kg | 33.2 | 2.73 | A      |
| Aroclor 1260                                                                          | ND     |           | ug/kg | 33.2 | 2.53 | A      |
| Aroclor 1262                                                                          | ND     |           | ug/kg | 33.2 | 1.65 | A      |
| Aroclor 1268                                                                          | ND     |           | ug/kg | 33.2 | 4.82 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 64        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 64        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 75        |           | 30-150                 | B      |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 03/06/14 09:31  
 Analyst: JW

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 19:01  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/06/14  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/06/14

| Parameter                                                                             | Result | Qualifier | Units | RL   | MDL  | Column |
|---------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG673830-1 |        |           |       |      |      |        |
| Aroclor 1016                                                                          | ND     |           | ug/kg | 32.4 | 2.56 | A      |
| Aroclor 1221                                                                          | ND     |           | ug/kg | 32.4 | 2.98 | A      |
| Aroclor 1232                                                                          | ND     |           | ug/kg | 32.4 | 3.79 | A      |
| Aroclor 1242                                                                          | ND     |           | ug/kg | 32.4 | 3.96 | A      |
| Aroclor 1248                                                                          | ND     |           | ug/kg | 32.4 | 2.73 | A      |
| Aroclor 1254                                                                          | ND     |           | ug/kg | 32.4 | 2.66 | A      |
| Aroclor 1260                                                                          | ND     |           | ug/kg | 32.4 | 2.47 | A      |
| Aroclor 1262                                                                          | ND     |           | ug/kg | 32.4 | 1.60 | A      |
| Aroclor 1268                                                                          | ND     |           | ug/kg | 32.4 | 4.69 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 59        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 60        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 65        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 55        |           | 30-150                 | B      |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG673631-2 WG673631-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                            | 85               |      | 86                |      | 40-140              | 1   |      | 50            | A      |
| Aroclor 1260                                                                                            | 86               |      | 87                |      | 40-140              | 0   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 58               |      | 66                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 76               |      | 74                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 60               |      | 70                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 79               |      | 74                |      | 30-150                 | B      |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG673641-2 WG673641-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                            | 66               |      | 68                |      | 40-140              | 3   |      | 50            | A      |
| Aroclor 1260                                                                                            | 64               |      | 65                |      | 40-140              | 2   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68               |      | 66                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 62               |      | 65                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 72               |      | 69                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 71               |      | 69                |      | 30-150                 | B      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404493**Report Date:** 03/11/14

| <b>Parameter</b>                                                                                        | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> | <b>Column</b> |
|---------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|---------------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG673830-2 WG673830-3 |                          |             |                           |             |                             |            |             |                       |               |
| Aroclor 1016                                                                                            | 51                       |             | 66                        |             | 40-140                      | 26         |             | 50                    | A             |
| Aroclor 1260                                                                                            | 52                       |             | 65                        |             | 40-140                      | 22         |             | 50                    | A             |

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 51                       |             | 65                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 51                       |             | 64                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 55                       |             | 68                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 46                       |             | 57                        |             | 30-150                         | B             |



# PESTICIDES

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-01  
**Client ID:** SB2 (0.5-3)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/07/14 10:09  
**Analyst:** GP  
**Percent Solids:** 90%

**Date Collected:** 03/04/14 09:25  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 04:06  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| 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 | 0.324 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.724 | 0.206 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.74  | 0.659 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.869 | 0.390 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.74  | 0.612 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.26  | 0.978 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.724 | 0.297 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.74  | 0.448 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.09  | 0.543 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.74  | 0.402 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.74  | 0.620 | 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  | 0.581 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.724 | 0.345 | 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  | 0.574 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.1  | 5.76  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 128        |           | 30-150              | A      |
| Decachlorobiphenyl           | 49         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 46         |           | 30-150              | B      |
| Decachlorobiphenyl           | 60         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-02  
**Client ID:** TMW2  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/06/14 12:01  
**Analyst:** SH

**Date Collected:** 03/04/14 11:30  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/05/14 00:56  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 44         |           | 30-150              | A      |
| Decachlorobiphenyl           | 64         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 44         |           | 30-150              | B      |
| Decachlorobiphenyl           | 87         |           | 30-150              | B      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**SAMPLE RESULTS**

**Lab ID:** L1404493-03  
**Client ID:** SB4 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/07/14 10:22  
**Analyst:** GP  
**Percent Solids:** 89%

**Date Collected:** 03/04/14 12:40  
**Date Received:** 03/04/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/05/14 04:06  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.73  | 0.339 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.722 | 0.323 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.722 | 0.205 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.73  | 0.657 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.866 | 0.388 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.73  | 0.610 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.25  | 0.974 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.722 | 0.296 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.73  | 0.446 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.08  | 0.541 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.73  | 0.400 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.73  | 0.618 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.25  | 1.39  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.73  | 0.409 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.73  | 0.579 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.722 | 0.344 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.25  | 1.01  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 32.5  | 9.09  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.16  | 0.603 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.16  | 0.572 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.1  | 5.74  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 55         |           | 30-150              | A      |
| Decachlorobiphenyl           | 59         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 49         |           | 30-150              | B      |
| Decachlorobiphenyl           | 96         |           | 30-150              | B      |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 03/06/14 11:48  
 Analyst: SH

Extraction Method: EPA 3510C  
 Extraction Date: 03/05/14 00:56  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/14

| Parameter                                                                             | Result | Qualifier | Units | RL    | MDL   | Column |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG673633-1 |        |           |       |       |       |        |
| Delta-BHC                                                                             | ND     |           | ug/l  | 0.020 | 0.005 | A      |
| Lindane                                                                               | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Alpha-BHC                                                                             | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Beta-BHC                                                                              | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Heptachlor                                                                            | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Aldrin                                                                                | ND     |           | ug/l  | 0.020 | 0.002 | A      |
| Heptachlor epoxide                                                                    | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Endrin                                                                                | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endrin ketone                                                                         | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Dieldrin                                                                              | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDE                                                                              | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDD                                                                              | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| 4,4'-DDT                                                                              | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endosulfan I                                                                          | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Endosulfan II                                                                         | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Endosulfan sulfate                                                                    | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Methoxychlor                                                                          | ND     |           | ug/l  | 0.200 | 0.007 | A      |
| Toxaphene                                                                             | ND     |           | ug/l  | 0.200 | 0.063 | A      |
| cis-Chlordane                                                                         | ND     |           | ug/l  | 0.020 | 0.007 | A      |
| trans-Chlordane                                                                       | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Chlordane                                                                             | ND     |           | ug/l  | 0.200 | 0.046 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>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           | 89        |           | 30-150                 | B      |

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 03/06/14 13:33  
 Analyst: GP

Extraction Method: EPA 3546  
 Extraction Date: 03/05/14 04:06  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/14

| Parameter                                                                                | Result | Qualifier | Units | RL    | MDL   | Column |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03 Batch: WG673647-1 |        |           |       |       |       |        |
| Delta-BHC                                                                                | ND     |           | ug/kg | 1.59  | 0.311 | A      |
| Lindane                                                                                  | ND     |           | ug/kg | 0.662 | 0.296 | A      |
| Alpha-BHC                                                                                | ND     |           | ug/kg | 0.662 | 0.188 | A      |
| Beta-BHC                                                                                 | ND     |           | ug/kg | 1.59  | 0.603 | A      |
| Heptachlor                                                                               | ND     |           | ug/kg | 0.795 | 0.356 | A      |
| Aldrin                                                                                   | ND     |           | ug/kg | 1.59  | 0.560 | A      |
| Heptachlor epoxide                                                                       | ND     |           | ug/kg | 2.98  | 0.894 | A      |
| Endrin                                                                                   | ND     |           | ug/kg | 0.662 | 0.272 | A      |
| Endrin ketone                                                                            | ND     |           | ug/kg | 1.59  | 0.409 | A      |
| Dieldrin                                                                                 | ND     |           | ug/kg | 0.993 | 0.497 | A      |
| 4,4'-DDE                                                                                 | ND     |           | ug/kg | 1.59  | 0.368 | A      |
| 4,4'-DDD                                                                                 | ND     |           | ug/kg | 1.59  | 0.567 | A      |
| 4,4'-DDT                                                                                 | ND     |           | ug/kg | 2.98  | 1.28  | A      |
| Endosulfan I                                                                             | ND     |           | ug/kg | 1.59  | 0.375 | A      |
| Endosulfan II                                                                            | ND     |           | ug/kg | 1.59  | 0.531 | A      |
| Endosulfan sulfate                                                                       | ND     |           | ug/kg | 0.662 | 0.315 | A      |
| Methoxychlor                                                                             | ND     |           | ug/kg | 2.98  | 0.927 | A      |
| Toxaphene                                                                                | ND     |           | ug/kg | 29.8  | 8.34  | A      |
| cis-Chlordane                                                                            | ND     |           | ug/kg | 1.99  | 0.554 | A      |
| trans-Chlordane                                                                          | ND     |           | ug/kg | 1.99  | 0.524 | A      |
| Chlordane                                                                                | ND     |           | ug/kg | 12.9  | 5.26  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 75        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 92        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 112       |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG673633-2 WG673633-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                               | 73               |      | 52                |      | 30-150              | 33  | Q    | 20            | A      |
| Lindane                                                                                                 | 77               |      | 53                |      | 30-150              | 37  | Q    | 20            | A      |
| Alpha-BHC                                                                                               | 78               |      | 55                |      | 30-150              | 35  | Q    | 20            | A      |
| Beta-BHC                                                                                                | 75               |      | 52                |      | 30-150              | 36  | Q    | 20            | A      |
| Heptachlor                                                                                              | 85               |      | 58                |      | 30-150              | 38  | Q    | 20            | A      |
| Aldrin                                                                                                  | 87               |      | 59                |      | 30-150              | 38  | Q    | 20            | A      |
| Heptachlor epoxide                                                                                      | 90               |      | 61                |      | 30-150              | 39  | Q    | 20            | A      |
| Endrin                                                                                                  | 101              |      | 68                |      | 30-150              | 39  | Q    | 20            | A      |
| Endrin ketone                                                                                           | 90               |      | 60                |      | 30-150              | 39  | Q    | 20            | A      |
| Dieldrin                                                                                                | 98               |      | 66                |      | 30-150              | 39  | Q    | 20            | A      |
| 4,4'-DDE                                                                                                | 94               |      | 64                |      | 30-150              | 39  | Q    | 20            | A      |
| 4,4'-DDD                                                                                                | 92               |      | 62                |      | 30-150              | 40  | Q    | 20            | A      |
| 4,4'-DDT                                                                                                | 103              |      | 70                |      | 30-150              | 38  | Q    | 20            | A      |
| Endosulfan I                                                                                            | 92               |      | 63                |      | 30-150              | 38  | Q    | 20            | A      |
| Endosulfan II                                                                                           | 94               |      | 62                |      | 30-150              | 40  | Q    | 20            | A      |
| Endosulfan sulfate                                                                                      | 88               |      | 61                |      | 30-150              | 37  | Q    | 20            | A      |
| Methoxychlor                                                                                            | 98               |      | 64                |      | 30-150              | 42  | Q    | 20            | A      |
| cis-Chlordane                                                                                           | 95               |      | 62                |      | 30-150              | 41  | Q    | 20            | A      |
| trans-Chlordane                                                                                         | 88               |      | 60                |      | 30-150              | 38  | Q    | 20            | A      |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG673633-2 WG673633-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 62                       |             | 44                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 46                       |             | 58                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 63                       |             | 42                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 101                      |             | 79                        |             | 30-150                         | B             |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG673647-2 WG673647-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                  | 76               |      | 68                |      | 30-150              | 11  |      | 30            | A      |
| Lindane                                                                                                    | 78               |      | 69                |      | 30-150              | 12  |      | 30            | A      |
| Alpha-BHC                                                                                                  | 80               |      | 73                |      | 30-150              | 9   |      | 30            | A      |
| Beta-BHC                                                                                                   | 80               |      | 71                |      | 30-150              | 12  |      | 30            | A      |
| Heptachlor                                                                                                 | 86               |      | 78                |      | 30-150              | 10  |      | 30            | A      |
| Aldrin                                                                                                     | 89               |      | 79                |      | 30-150              | 12  |      | 30            | A      |
| Heptachlor epoxide                                                                                         | 87               |      | 79                |      | 30-150              | 10  |      | 30            | A      |
| Endrin                                                                                                     | 96               |      | 88                |      | 30-150              | 9   |      | 30            | A      |
| Endrin ketone                                                                                              | 88               |      | 79                |      | 30-150              | 11  |      | 30            | A      |
| Dieldrin                                                                                                   | 94               |      | 85                |      | 30-150              | 10  |      | 30            | A      |
| 4,4'-DDE                                                                                                   | 91               |      | 82                |      | 30-150              | 10  |      | 30            | A      |
| 4,4'-DDD                                                                                                   | 88               |      | 79                |      | 30-150              | 11  |      | 30            | A      |
| 4,4'-DDT                                                                                                   | 100              |      | 91                |      | 30-150              | 9   |      | 30            | A      |
| Endosulfan I                                                                                               | 89               |      | 81                |      | 30-150              | 9   |      | 30            | A      |
| Endosulfan II                                                                                              | 88               |      | 79                |      | 30-150              | 11  |      | 30            | A      |
| Endosulfan sulfate                                                                                         | 88               |      | 79                |      | 30-150              | 11  |      | 30            | A      |
| Methoxychlor                                                                                               | 95               |      | 83                |      | 30-150              | 13  |      | 30            | A      |
| cis-Chlordane                                                                                              | 91               |      | 80                |      | 30-150              | 13  |      | 30            | A      |
| trans-Chlordane                                                                                            | 86               |      | 78                |      | 30-150              | 10  |      | 30            | A      |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Lab Number:** L1404493

**Project Number:** 470K

**Report Date:** 03/11/14

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG673647-2 WG673647-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 73                       |             | 66                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 85                       |             | 79                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 74                       |             | 68                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 119                      |             | 111                       |             | 30-150                         | B             |

## METALS

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404493-01

Date Collected: 03/04/14 09:25

Client ID: SB2 (0.5-3)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

| Parameter                      | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |        |           |       |      |      |                 |                |                |             |                   |         |
| Aluminum, Total                | 6100   |           | mg/kg | 8.3  | 1.7  | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Antimony, Total                | ND     |           | mg/kg | 4.2  | 0.66 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Arsenic, Total                 | 3.2    |           | mg/kg | 0.83 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Barium, Total                  | 41     |           | mg/kg | 0.83 | 0.25 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Beryllium, Total               | 0.30   | J         | mg/kg | 0.42 | 0.08 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Cadmium, Total                 | 0.60   | J         | mg/kg | 0.83 | 0.06 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Calcium, Total                 | 1900   |           | mg/kg | 8.3  | 2.5  | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Chromium, Total                | 9.9    |           | mg/kg | 0.83 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Cobalt, Total                  | 4.3    |           | mg/kg | 1.7  | 0.42 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Copper, Total                  | 14     |           | mg/kg | 0.83 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Iron, Total                    | 12000  |           | mg/kg | 4.2  | 1.7  | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Lead, Total                    | 14     |           | mg/kg | 4.2  | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Magnesium, Total               | 1800   |           | mg/kg | 8.3  | 0.83 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Manganese, Total               | 240    |           | mg/kg | 0.83 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Mercury, Total                 | 0.11   |           | mg/kg | 0.08 | 0.02 | 1               | 03/06/14 08:56 | 03/06/14 12:11 | EPA 7471B   | 1,7471B           | MC      |
| Nickel, Total                  | 9.3    |           | mg/kg | 2.1  | 0.33 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Potassium, Total               | 660    |           | mg/kg | 210  | 33.  | 2               | 03/06/14 08:33 | 03/08/14 11:40 | EPA 3050B   | 1,6010C           | BC      |
| Selenium, Total                | ND     |           | mg/kg | 1.7  | 0.25 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Silver, Total                  | ND     |           | mg/kg | 0.83 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Sodium, Total                  | 150    | J         | mg/kg | 170  | 25.  | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Thallium, Total                | ND     |           | mg/kg | 1.7  | 0.33 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Vanadium, Total                | 13     |           | mg/kg | 0.83 | 0.08 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |
| Zinc, Total                    | 33     |           | mg/kg | 4.2  | 0.58 | 2               | 03/06/14 08:33 | 03/07/14 19:02 | EPA 3050B   | 1,6010C           | JH      |



Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404493-02

Date Collected: 03/04/14 11:30

Client ID: TMW2

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

| Parameter                      | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Total                | 0.688   |           | mg/l  | 0.200   | 0.0400  | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Antimony, Total                | 0.02308 | J         | mg/l  | 0.1300  | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Arsenic, Total                 | 0.00356 | J         | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Barium, Total                  | 1.073   |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Beryllium, Total               | ND      |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Cadmium, Total                 | ND      |           | mg/l  | 0.00400 | 0.00100 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Calcium, Total                 | 401.    |           | mg/l  | 2.00    | 0.640   | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Chromium, Total                | ND      |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Cobalt, Total                  | ND      |           | mg/l  | 0.00400 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Copper, Total                  | ND      |           | mg/l  | 0.02000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Iron, Total                    | 0.901   | J         | mg/l  | 1.00    | 0.260   | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Lead, Total                    | ND      |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Magnesium, Total               | 10.4    |           | mg/l  | 1.40    | 0.460   | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Manganese, Total               | 0.07978 |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Mercury, Total                 | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/05/14 07:51 | 03/05/14 10:55 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Total                  | ND      |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Potassium, Total               | 7.96    |           | mg/l  | 2.00    | 0.540   | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Selenium, Total                | ND      |           | mg/l  | 0.100   | 0.00600 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Silver, Total                  | ND      |           | mg/l  | 0.00800 | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Sodium, Total                  | 948.    |           | mg/l  | 10.0    | 1.50    | 100             | 03/05/14 12:33 | 03/07/14 15:17 | EPA 3005A   | 1,6020A           | KL      |
| Thallium, Total                | ND      |           | mg/l  | 0.01000 | 0.00060 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Vanadium, Total                | ND      |           | mg/l  | 0.1000  | 0.00200 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |
| Zinc, Total                    | ND      |           | mg/l  | 0.2000  | 0.02400 | 20              | 03/05/14 12:33 | 03/07/14 15:21 | EPA 3005A   | 1,6020A           | KL      |

## Dissolved Metals - Westborough Lab

|                      |         |   |      |         |         |   |                |                |    |         |    |
|----------------------|---------|---|------|---------|---------|---|----------------|----------------|----|---------|----|
| Aluminum, Dissolved  | 0.135   |   | mg/l | 0.0400  | 0.00800 | 4 | 03/05/14 01:00 | 03/08/14 00:26 | NA | 1,6020A | BM |
| Antimony, Dissolved  | 0.00377 | J | mg/l | 0.00800 | 0.00040 | 4 | 03/05/14 01:00 | 03/08/14 00:26 | NA | 1,6020A | BM |
| Arsenic, Dissolved   | 0.00220 |   | mg/l | 0.00200 | 0.00080 | 4 | 03/05/14 01:00 | 03/08/14 00:26 | NA | 1,6020A | BM |
| Barium, Dissolved    | 0.9860  |   | mg/l | 0.00200 | 0.00040 | 4 | 03/05/14 01:00 | 03/08/14 00:26 | NA | 1,6020A | BM |
| Beryllium, Dissolved | ND      |   | mg/l | 0.00200 | 0.00040 | 4 | 03/05/14 01:00 | 03/08/14 00:26 | NA | 1,6020A | BM |
| Cadmium, Dissolved   | ND      |   | mg/l | 0.00080 | 0.00020 | 4 | 03/05/14 01:00 | 03/08/14 00:26 | NA | 1,6020A | BM |



Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404493-02

Date Collected: 03/04/14 11:30

Client ID: TMW2

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Calcium, Dissolved   | 354.    |           | mg/l  | 4.00    | 1.28    | 40              | 03/05/14 01:00 | 03/08/14 00:44 | NA          | 1,6020A           | BM      |
| Chromium, Dissolved  | 0.00116 | J         | mg/l  | 0.00400 | 0.00080 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Cobalt, Dissolved    | 0.00046 | J         | mg/l  | 0.00200 | 0.00040 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Copper, Dissolved    | 0.00083 | J         | mg/l  | 0.00400 | 0.00040 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Iron, Dissolved      | 1.41    |           | mg/l  | 0.200   | 0.0520  | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Lead, Dissolved      | ND      |           | mg/l  | 0.00400 | 0.00080 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Magnesium, Dissolved | 9.72    |           | mg/l  | 0.280   | 0.0920  | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Manganese, Dissolved | 0.00247 |           | mg/l  | 0.00200 | 0.00040 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/05/14 09:25 | 03/05/14 11:45 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Dissolved    | 0.00299 |           | mg/l  | 0.00200 | 0.00040 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Potassium, Dissolved | 14.2    |           | mg/l  | 0.400   | 0.108   | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Selenium, Dissolved  | 0.00269 | J         | mg/l  | 0.0200  | 0.00120 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Silver, Dissolved    | ND      |           | mg/l  | 0.00160 | 0.00040 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Sodium, Dissolved    | 1020    |           | mg/l  | 4.00    | 0.600   | 40              | 03/05/14 01:00 | 03/08/14 00:44 | NA          | 1,6020A           | BM      |
| Thallium, Dissolved  | ND      |           | mg/l  | 0.00200 | 0.00012 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Vanadium, Dissolved  | 0.00064 | J         | mg/l  | 0.02000 | 0.00040 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |
| Zinc, Dissolved      | 0.01323 | J         | mg/l  | 0.04000 | 0.00480 | 4               | 03/05/14 01:00 | 03/08/14 00:26 | NA          | 1,6020A           | BM      |



Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

## SAMPLE RESULTS

Lab ID: L1404493-03

Date Collected: 03/04/14 12:40

Client ID: SB4 (8-10)

Date Received: 03/04/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

| Parameter                      | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab |        |           |       |      |      |                 |                |                |             |                   |         |
| Aluminum, Total                | 9700   |           | mg/kg | 8.4  | 1.7  | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Antimony, Total                | ND     |           | mg/kg | 4.2  | 0.68 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Arsenic, Total                 | 2.2    |           | mg/kg | 0.84 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Barium, Total                  | 240    |           | mg/kg | 0.84 | 0.25 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Beryllium, Total               | 0.35   | J         | mg/kg | 0.42 | 0.08 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Cadmium, Total                 | 0.77   | J         | mg/kg | 0.84 | 0.06 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Calcium, Total                 | 1200   |           | mg/kg | 8.4  | 2.5  | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Chromium, Total                | 32     |           | mg/kg | 0.84 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Cobalt, Total                  | 6.4    |           | mg/kg | 1.7  | 0.42 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Copper, Total                  | 22     |           | mg/kg | 0.84 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Iron, Total                    | 14000  |           | mg/kg | 4.2  | 1.7  | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Lead, Total                    | 120    |           | mg/kg | 4.2  | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Magnesium, Total               | 3700   |           | mg/kg | 8.4  | 0.84 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Manganese, Total               | 240    |           | mg/kg | 0.84 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Mercury, Total                 | 0.06   | J         | mg/kg | 0.09 | 0.02 | 1               | 03/06/14 08:56 | 03/06/14 12:12 | EPA 7471B   | 1,7471B           | MC      |
| Nickel, Total                  | 40     |           | mg/kg | 2.1  | 0.34 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Potassium, Total               | 1100   |           | mg/kg | 210  | 34.  | 2               | 03/06/14 08:33 | 03/08/14 11:44 | EPA 3050B   | 1,6010C           | BC      |
| Selenium, Total                | ND     |           | mg/kg | 1.7  | 0.25 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Silver, Total                  | ND     |           | mg/kg | 0.84 | 0.17 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Sodium, Total                  | 820    |           | mg/kg | 170  | 25.  | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Thallium, Total                | ND     |           | mg/kg | 1.7  | 0.34 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Vanadium, Total                | 26     |           | mg/kg | 0.84 | 0.08 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |
| Zinc, Total                    | 84     |           | mg/kg | 4.2  | 0.59 | 2               | 03/06/14 08:33 | 03/07/14 19:06 | EPA 3050B   | 1,6010C           | JH      |



Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

## Method Blank Analysis Batch Quality Control

| Parameter                                                          | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Westborough Lab for sample(s): 02 Batch: WG673663-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Total                                                     | ND     |           | mg/l  | 0.00020 | 0.00006 | 1                  | 03/05/14 07:51   | 03/05/14 10:42   | 1,7470A              | AK      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                             | Result | Qualifier | Units | RL   | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------------------------------------------|--------|-----------|-------|------|------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01,03 Batch: WG673687-1 |        |           |       |      |      |                    |                  |                  |                      |         |
| Mercury, Total                                                        | ND     |           | mg/kg | 0.08 | 0.02 | 1                  | 03/06/14 08:56   | 03/06/14 11:39   | 1,7471B              | MC      |

### Prep Information

Digestion Method: EPA 7471B

| Parameter                                                              | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Dissolved Metals - Westborough Lab for sample(s): 02 Batch: WG673713-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Dissolved                                                     | ND     |           | mg/l  | 0.00020 | 0.00006 | 1                  | 03/05/14 09:25   | 03/05/14 11:41   | 1,7470A              | AK      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                          | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Westborough Lab for sample(s): 02 Batch: WG673762-1 |         |           |       |         |         |                    |                  |                  |                      |         |
| Aluminum, Total                                                    | ND      |           | mg/l  | 0.0100  | 0.00200 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Antimony, Total                                                    | 0.00551 | J         | mg/l  | 0.00650 | 0.00010 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Arsenic, Total                                                     | 0.00021 | J         | mg/l  | 0.00050 | 0.00010 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Barium, Total                                                      | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Beryllium, Total                                                   | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |
| Cadmium, Total                                                     | ND      |           | mg/l  | 0.00020 | 0.00005 | 1                  | 03/05/14 12:33   | 03/07/14 15:06   | 1,6020A              | KL      |



Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

### Method Blank Analysis Batch Quality Control

|                  |         |   |      |         |         |   |                |                |         |    |
|------------------|---------|---|------|---------|---------|---|----------------|----------------|---------|----|
| Calcium, Total   | ND      |   | mg/l | 0.100   | 0.0320  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Chromium, Total  | ND      |   | mg/l | 0.00100 | 0.00020 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Cobalt, Total    | ND      |   | mg/l | 0.00020 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Copper, Total    | ND      |   | mg/l | 0.00100 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Iron, Total      | ND      |   | mg/l | 0.0500  | 0.0130  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Lead, Total      | ND      |   | mg/l | 0.00100 | 0.00020 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Magnesium, Total | ND      |   | mg/l | 0.0700  | 0.0230  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Manganese, Total | ND      |   | mg/l | 0.00050 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Nickel, Total    | ND      |   | mg/l | 0.00050 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Potassium, Total | ND      |   | mg/l | 0.100   | 0.0270  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Selenium, Total  | ND      |   | mg/l | 0.00500 | 0.00030 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Silver, Total    | ND      |   | mg/l | 0.00040 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Sodium, Total    | ND      |   | mg/l | 0.100   | 0.0150  | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Thallium, Total  | ND      |   | mg/l | 0.00050 | 0.00003 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Vanadium, Total  | ND      |   | mg/l | 0.00500 | 0.00010 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |
| Zinc, Total      | 0.00248 | J | mg/l | 0.01000 | 0.00120 | 1 | 03/05/14 12:33 | 03/07/14 15:06 | 1,6020A | KL |

#### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                             | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01,03 Batch: WG673910-1 |        |           |       |      |      |                 |                |                |                   |         |
| Aluminum, Total                                                       | ND     |           | mg/kg | 4.0  | 0.80 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Antimony, Total                                                       | ND     |           | mg/kg | 2.0  | 0.32 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Arsenic, Total                                                        | ND     |           | mg/kg | 0.40 | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Barium, Total                                                         | ND     |           | mg/kg | 0.40 | 0.12 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Beryllium, Total                                                      | ND     |           | mg/kg | 0.20 | 0.04 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Cadmium, Total                                                        | ND     |           | mg/kg | 0.40 | 0.03 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Calcium, Total                                                        | ND     |           | mg/kg | 4.0  | 1.2  | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Chromium, Total                                                       | ND     |           | mg/kg | 0.40 | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Cobalt, Total                                                         | ND     |           | mg/kg | 0.80 | 0.20 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Copper, Total                                                         | ND     |           | mg/kg | 0.40 | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Iron, Total                                                           | 1.4    | J         | mg/kg | 2.0  | 0.80 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Lead, Total                                                           | ND     |           | mg/kg | 2.0  | 0.08 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |
| Magnesium, Total                                                      | ND     |           | mg/kg | 4.0  | 0.40 | 1               | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C           | JH      |



Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

## Method Blank Analysis Batch Quality Control

|                  |      |   |       |      |      |   |                |                |         |    |
|------------------|------|---|-------|------|------|---|----------------|----------------|---------|----|
| Manganese, Total | 0.10 | J | mg/kg | 0.40 | 0.08 | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |
| Nickel, Total    | ND   |   | mg/kg | 1.0  | 0.16 | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |
| Potassium, Total | ND   |   | mg/kg | 100  | 16.  | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |
| Selenium, Total  | ND   |   | mg/kg | 0.80 | 0.12 | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |
| Silver, Total    | ND   |   | mg/kg | 0.40 | 0.08 | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |
| Sodium, Total    | ND   |   | mg/kg | 80   | 12.  | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |
| Thallium, Total  | ND   |   | mg/kg | 0.80 | 0.16 | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |
| Vanadium, Total  | ND   |   | mg/kg | 0.40 | 0.04 | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |
| Zinc, Total      | ND   |   | mg/kg | 2.0  | 0.28 | 1 | 03/06/14 08:33 | 03/07/14 17:18 | 1,6010C | JH |

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                              | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|------------------------------------------------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------------|---------|
| Dissolved Metals - Westborough Lab for sample(s): 02 Batch: WG674222-1 |         |           |       |         |         |                 |                |                |                   |         |
| Aluminum, Dissolved                                                    | 0.00202 | J         | mg/l  | 0.0100  | 0.00200 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Antimony, Dissolved                                                    | 0.00051 | J         | mg/l  | 0.00200 | 0.00010 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Arsenic, Dissolved                                                     | ND      |           | mg/l  | 0.00050 | 0.00020 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Barium, Dissolved                                                      | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Beryllium, Dissolved                                                   | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Cadmium, Dissolved                                                     | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Calcium, Dissolved                                                     | ND      |           | mg/l  | 0.100   | 0.0320  | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Chromium, Dissolved                                                    | ND      |           | mg/l  | 0.00100 | 0.00020 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Cobalt, Dissolved                                                      | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Copper, Dissolved                                                      | ND      |           | mg/l  | 0.00100 | 0.00010 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Iron, Dissolved                                                        | ND      |           | mg/l  | 0.0500  | 0.0130  | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Lead, Dissolved                                                        | ND      |           | mg/l  | 0.00100 | 0.00020 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Magnesium, Dissolved                                                   | ND      |           | mg/l  | 0.0700  | 0.0230  | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Manganese, Dissolved                                                   | 0.00023 | J         | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Nickel, Dissolved                                                      | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Potassium, Dissolved                                                   | ND      |           | mg/l  | 0.100   | 0.0270  | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Selenium, Dissolved                                                    | ND      |           | mg/l  | 0.00500 | 0.00030 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Silver, Dissolved                                                      | ND      |           | mg/l  | 0.00040 | 0.00010 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Sodium, Dissolved                                                      | 0.0709  | J         | mg/l  | 0.100   | 0.0150  | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |
| Thallium, Dissolved                                                    | ND      |           | mg/l  | 0.00050 | 0.00003 | 1               | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A           | BM      |

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14

## Method Blank Analysis Batch Quality Control

|                     |         |   |      |         |         |   |                |                |         |    |
|---------------------|---------|---|------|---------|---------|---|----------------|----------------|---------|----|
| Vanadium, Dissolved | ND      |   | mg/l | 0.00500 | 0.00010 | 1 | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A | BM |
| Zinc, Dissolved     | 0.00331 | J | mg/l | 0.01000 | 0.00120 | 1 | 03/05/14 01:00 | 03/07/14 23:24 | 1,6020A | BM |

### Prep Information

Digestion Method: NA

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG673663-2                               |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                          | 100              |      | -                 |      | 80-120              | -   |      |            |
| Total Metals - Westborough Lab Associated sample(s): 01,03 Batch: WG673687-2 SRM Lot Number: 0518-10-02 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                          | 117              |      | -                 |      | 67-133              | -   |      |            |
| Dissolved Metals - Westborough Lab Associated sample(s): 02 Batch: WG673713-2                           |                  |      |                   |      |                     |     |      |            |
| Mercury, Dissolved                                                                                      | 100              |      | -                 |      | 70-130              | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                 | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG673762-2 |                  |                   |                     |     |            |
| Aluminum, Total                                                           | 107              | -                 | 80-120              | -   |            |
| Antimony, Total                                                           | 102              | -                 | 80-120              | -   |            |
| Arsenic, Total                                                            | 102              | -                 | 80-120              | -   |            |
| Barium, Total                                                             | 99               | -                 | 80-120              | -   |            |
| Beryllium, Total                                                          | 107              | -                 | 80-120              | -   |            |
| Cadmium, Total                                                            | 112              | -                 | 80-120              | -   |            |
| Calcium, Total                                                            | 104              | -                 | 80-120              | -   |            |
| Chromium, Total                                                           | 102              | -                 | 80-120              | -   |            |
| Cobalt, Total                                                             | 106              | -                 | 80-120              | -   |            |
| Copper, Total                                                             | 107              | -                 | 80-120              | -   |            |
| Iron, Total                                                               | 100              | -                 | 80-120              | -   |            |
| Lead, Total                                                               | 102              | -                 | 80-120              | -   |            |
| Magnesium, Total                                                          | 108              | -                 | 80-120              | -   |            |
| Manganese, Total                                                          | 104              | -                 | 80-120              | -   |            |
| Nickel, Total                                                             | 108              | -                 | 80-120              | -   |            |
| Potassium, Total                                                          | 103              | -                 | 80-120              | -   |            |
| Selenium, Total                                                           | 112              | -                 | 80-120              | -   |            |
| Silver, Total                                                             | 96               | -                 | 80-120              | -   |            |
| Sodium, Total                                                             | 97               | -                 | 80-120              | -   |            |
| Thallium, Total                                                           | 91               | -                 | 80-120              | -   |            |
| Vanadium, Total                                                           | 104              | -                 | 80-120              | -   |            |

**Lab Control Sample Analysis**

Batch Quality Control

**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14

| Parameter                                                                 | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG673762-2 |                  |                   |                     |     |            |
| Zinc, Total                                                               | 112              | -                 | 80-120              | -   |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                               | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03 Batch: WG673910-2 SRM Lot Number: 0518-10-02 |                  |                   |                     |     |            |
| Aluminum, Total                                                                                         | 92               | -                 | 29-171              | -   |            |
| Antimony, Total                                                                                         | 112              | -                 | 4-196               | -   |            |
| Arsenic, Total                                                                                          | 94               | -                 | 81-119              | -   |            |
| Barium, Total                                                                                           | 92               | -                 | 83-118              | -   |            |
| Beryllium, Total                                                                                        | 98               | -                 | 83-117              | -   |            |
| Cadmium, Total                                                                                          | 89               | -                 | 82-117              | -   |            |
| Calcium, Total                                                                                          | 98               | -                 | 83-117              | -   |            |
| Chromium, Total                                                                                         | 97               | -                 | 80-119              | -   |            |
| Cobalt, Total                                                                                           | 90               | -                 | 83-117              | -   |            |
| Copper, Total                                                                                           | 101              | -                 | 83-117              | -   |            |
| Iron, Total                                                                                             | 94               | -                 | 51-150              | -   |            |
| Lead, Total                                                                                             | 83               | -                 | 80-120              | -   |            |
| Magnesium, Total                                                                                        | 83               | -                 | 74-126              | -   |            |
| Manganese, Total                                                                                        | 95               | -                 | 83-117              | -   |            |
| Nickel, Total                                                                                           | 88               | -                 | 82-117              | -   |            |
| Potassium, Total                                                                                        | 107              | -                 | 74-126              | -   |            |
| Selenium, Total                                                                                         | 88               | -                 | 80-120              | -   |            |
| Silver, Total                                                                                           | 96               | -                 | 66-134              | -   |            |
| Sodium, Total                                                                                           | 112              | -                 | 74-127              | -   |            |
| Thallium, Total                                                                                         | 82               | -                 | 79-120              | -   |            |
| Vanadium, Total                                                                                         | 89               | -                 | 79-121              | -   |            |

**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404493**Report Date:** 03/11/14

| Parameter                                                                                               | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03 Batch: WG673910-2 SRM Lot Number: 0518-10-02 |                  |                   |                     |     |            |
| Zinc, Total                                                                                             | 94               | -                 | 82-119              | -   |            |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                     | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02 Batch: WG674222-2 |                  |                   |                     |     |            |
| Aluminum, Dissolved                                                           | 107              | -                 | 80-120              | -   |            |
| Antimony, Dissolved                                                           | 86               | -                 | 80-120              | -   |            |
| Arsenic, Dissolved                                                            | 96               | -                 | 80-120              | -   |            |
| Barium, Dissolved                                                             | 98               | -                 | 80-120              | -   |            |
| Beryllium, Dissolved                                                          | 100              | -                 | 80-120              | -   |            |
| Cadmium, Dissolved                                                            | 97               | -                 | 80-120              | -   |            |
| Calcium, Dissolved                                                            | 98               | -                 | 80-120              | -   |            |
| Chromium, Dissolved                                                           | 103              | -                 | 80-120              | -   |            |
| Cobalt, Dissolved                                                             | 96               | -                 | 80-120              | -   |            |
| Copper, Dissolved                                                             | 100              | -                 | 80-120              | -   |            |
| Iron, Dissolved                                                               | 104              | -                 | 80-120              | -   |            |
| Lead, Dissolved                                                               | 96               | -                 | 80-120              | -   |            |
| Magnesium, Dissolved                                                          | 107              | -                 | 80-120              | -   |            |
| Manganese, Dissolved                                                          | 95               | -                 | 80-120              | -   |            |
| Nickel, Dissolved                                                             | 100              | -                 | 80-120              | -   |            |
| Potassium, Dissolved                                                          | 102              | -                 | 80-120              | -   |            |
| Selenium, Dissolved                                                           | 98               | -                 | 80-120              | -   |            |
| Silver, Dissolved                                                             | 97               | -                 | 80-120              | -   |            |
| Sodium, Dissolved                                                             | 108              | -                 | 80-120              | -   |            |
| Thallium, Dissolved                                                           | 93               | -                 | 80-120              | -   |            |
| Vanadium, Dissolved                                                           | 100              | -                 | 80-120              | -   |            |

**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404493**Report Date:** 03/11/14

| Parameter                                                                     | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02 Batch: WG674222-2 |                  |                   |                     |     |            |
| Zinc, Dissolved                                                               | 103              | -                 | 80-120              | -   |            |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Lab Number: L1404493

Project Number: 470K

Report Date: 03/11/14

| Parameter                                                                                                                      | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG673663-4 QC Sample: L1404475-02 Client ID: MS Sample    |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Total                                                                                                                 | ND            | 0.005    | 0.00499  | 100          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG673687-4 QC Sample: L1404455-03 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Total                                                                                                                 | 0.79          | 0.191    | 1.1      | 162          | Q    | -         | -             |      | 80-120          | -   |      | 35         |
| Dissolved Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG673713-4 QC Sample: L1404493-02 Client ID: TMW2     |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Dissolved                                                                                                             | ND            | 0.005    | 0.00535  | 107          |      | -         | -             |      | 75-125          | -   |      | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

| Parameter                                                                                                              | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG673762-4 QC Sample: L1404493-02 Client ID: TMW2 |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total                                                                                                        | 0.688         | 2        | 2.92     | 112          | -         | -             | 75-125          | -   | 20         |
| Antimony, Total                                                                                                        | 0.02308J      | 0.5      | 0.5206   | 104          | -         | -             | 75-125          | -   | 20         |
| Arsenic, Total                                                                                                         | 0.00356J      | 0.12     | 0.1363   | 114          | -         | -             | 75-125          | -   | 20         |
| Barium, Total                                                                                                          | 1.073         | 2        | 3.010    | 97           | -         | -             | 75-125          | -   | 20         |
| Beryllium, Total                                                                                                       | ND            | 0.05     | 0.05360  | 107          | -         | -             | 75-125          | -   | 20         |
| Cadmium, Total                                                                                                         | ND            | 0.051    | 0.05524  | 108          | -         | -             | 75-125          | -   | 20         |
| Calcium, Total                                                                                                         | 401.          | 10       | 385      | 0            | Q         | -             | 75-125          | -   | 20         |
| Chromium, Total                                                                                                        | ND            | 0.2      | 0.2080   | 104          | -         | -             | 75-125          | -   | 20         |
| Cobalt, Total                                                                                                          | ND            | 0.5      | 0.5372   | 107          | -         | -             | 75-125          | -   | 20         |
| Copper, Total                                                                                                          | ND            | 0.25     | 0.2722   | 109          | -         | -             | 75-125          | -   | 20         |
| Iron, Total                                                                                                            | 0.901J        | 1        | 1.87     | 187          | Q         | -             | 75-125          | -   | 20         |
| Lead, Total                                                                                                            | ND            | 0.51     | 0.5448   | 107          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Total                                                                                                       | 10.4          | 10       | 21.1     | 107          | -         | -             | 75-125          | -   | 20         |
| Manganese, Total                                                                                                       | 0.07978       | 0.5      | 0.6032   | 105          | -         | -             | 75-125          | -   | 20         |
| Nickel, Total                                                                                                          | ND            | 0.5      | 0.5330   | 107          | -         | -             | 75-125          | -   | 20         |
| Potassium, Total                                                                                                       | 7.96          | 10       | 18.2     | 102          | -         | -             | 75-125          | -   | 20         |
| Selenium, Total                                                                                                        | ND            | 0.12     | 0.131    | 109          | -         | -             | 75-125          | -   | 20         |
| Silver, Total                                                                                                          | ND            | 0.05     | 0.04856  | 97           | -         | -             | 75-125          | -   | 20         |
| Sodium, Total                                                                                                          | 948.          | 10       | 1010     | 620          | Q         | -             | 75-125          | -   | 20         |
| Thallium, Total                                                                                                        | ND            | 0.12     | 0.1150   | 96           | -         | -             | 75-125          | -   | 20         |
| Vanadium, Total                                                                                                        | ND            | 0.5      | 0.5462   | 109          | -         | -             | 75-125          | -   | 20         |

# **Matrix Spike Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Lab Number:** L1404493

**Project Number:** 470K

**Report Date:** 03/11/14

| Parameter                                                                                                              | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG673762-4 QC Sample: L1404493-02 Client ID: TMW2 |               |          |          |              |           |               |                 |     |            |
| Zinc, Total                                                                                                            | ND            | 0.5      | 0.5378   | 108          | -         | -             | 75-125          | -   | 20         |

# **Matrix Spike Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                                      | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG673910-4 QC Sample: L1404475-01 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total                                                                                                                | 2200          | 208      | 3900     | 819          | Q         | -             | 75-125          | -   | 35         |
| Antimony, Total                                                                                                                | ND            | 51.9     | 45       | 87           |           | -             | 75-125          | -   | 35         |
| Arsenic, Total                                                                                                                 | 5.3           | 12.4     | 17       | 94           |           | -             | 75-125          | -   | 35         |
| Barium, Total                                                                                                                  | 85.           | 208      | 330      | 118          |           | -             | 75-125          | -   | 35         |
| Beryllium, Total                                                                                                               | 0.19J         | 5.19     | 5.0      | 96           |           | -             | 75-125          | -   | 35         |
| Cadmium, Total                                                                                                                 | 1.8           | 5.29     | 5.7      | 74           | Q         | -             | 75-125          | -   | 35         |
| Calcium, Total                                                                                                                 | 6200          | 1040     | 4500     | 0            | Q         | -             | 75-125          | -   | 35         |
| Chromium, Total                                                                                                                | 7.8           | 20.8     | 28       | 97           |           | -             | 75-125          | -   | 35         |
| Cobalt, Total                                                                                                                  | 7.3           | 51.9     | 52       | 86           |           | -             | 75-125          | -   | 35         |
| Copper, Total                                                                                                                  | 130           | 25.9     | 110      | 0            | Q         | -             | 75-125          | -   | 35         |
| Iron, Total                                                                                                                    | 40000         | 104      | 24000    | 0            | Q         | -             | 75-125          | -   | 35         |
| Lead, Total                                                                                                                    | 110           | 52.9     | 160      | 94           |           | -             | 75-125          | -   | 35         |
| Magnesium, Total                                                                                                               | 550           | 1040     | 1500     | 92           |           | -             | 75-125          | -   | 35         |
| Manganese, Total                                                                                                               | 270           | 51.9     | 270      | 0            | Q         | -             | 75-125          | -   | 35         |
| Nickel, Total                                                                                                                  | 11.           | 51.9     | 55       | 85           |           | -             | 75-125          | -   | 35         |
| Potassium, Total                                                                                                               | 360           | 1040     | 1500     | 110          |           | -             | 75-125          | -   | 35         |
| Selenium, Total                                                                                                                | 1.6J          | 12.4     | 11       | 88           |           | -             | 75-125          | -   | 35         |
| Silver, Total                                                                                                                  | 0.20J         | 31.1     | 28       | 90           |           | -             | 75-125          | -   | 35         |
| Sodium, Total                                                                                                                  | 1300          | 1040     | 2600     | 125          |           | -             | 75-125          | -   | 35         |
| Thallium, Total                                                                                                                | ND            | 12.4     | 8.0      | 64           | Q         | -             | 75-125          | -   | 35         |
| Vanadium, Total                                                                                                                | 12.           | 51.9     | 65       | 102          |           | -             | 75-125          | -   | 35         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Lab Number:** L1404493

**Project Number:** 470K

**Report Date:** 03/11/14

| Parameter                                                                                                                      | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG673910-4 QC Sample: L1404475-01 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Zinc, Total                                                                                                                    | 180           | 51.9     | 150      | 0            | Q         | -             | 75-125          | -   | 35         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

| Parameter                                                                                                                  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG674222-4 QC Sample: L1404493-02 Client ID: TMW2 |               |          |          |              |           |               |                 |     |            |
| Aluminum, Dissolved                                                                                                        | 0.135         | 2        | 2.25     | 106          | -         | -             | 75-125          | -   | 20         |
| Antimony, Dissolved                                                                                                        | 0.00377J      | 0.5      | 0.4141   | 83           | -         | -             | 75-125          | -   | 20         |
| Arsenic, Dissolved                                                                                                         | 0.00220       | 0.12     | 0.1137   | 93           | -         | -             | 75-125          | -   | 20         |
| Barium, Dissolved                                                                                                          | 0.9860        | 2        | 2.864    | 94           | -         | -             | 75-125          | -   | 20         |
| Beryllium, Dissolved                                                                                                       | ND            | 0.05     | 0.04920  | 98           | -         | -             | 75-125          | -   | 20         |
| Cadmium, Dissolved                                                                                                         | ND            | 0.051    | 0.04717  | 92           | -         | -             | 75-125          | -   | 20         |
| Calcium, Dissolved                                                                                                         | 354.          | 10       | 341      | 0            | Q         | -             | 75-125          | -   | 20         |
| Chromium, Dissolved                                                                                                        | 0.00116J      | 0.2      | 0.2012   | 101          | -         | -             | 75-125          | -   | 20         |
| Cobalt, Dissolved                                                                                                          | 0.00046J      | 0.5      | 0.4582   | 92           | -         | -             | 75-125          | -   | 20         |
| Copper, Dissolved                                                                                                          | 0.00083J      | 0.25     | 0.2357   | 94           | -         | -             | 75-125          | -   | 20         |
| Iron, Dissolved                                                                                                            | 1.41          | 1        | 2.35     | 94           | -         | -             | 75-125          | -   | 20         |
| Lead, Dissolved                                                                                                            | ND            | 0.51     | 0.5238   | 103          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Dissolved                                                                                                       | 9.72          | 10       | 20.0     | 103          | -         | -             | 75-125          | -   | 20         |
| Manganese, Dissolved                                                                                                       | 0.00247       | 0.5      | 0.4543   | 90           | -         | -             | 75-125          | -   | 20         |
| Nickel, Dissolved                                                                                                          | 0.00299       | 0.5      | 0.4678   | 93           | -         | -             | 75-125          | -   | 20         |
| Potassium, Dissolved                                                                                                       | 14.2          | 10       | 23.8     | 96           | -         | -             | 75-125          | -   | 20         |
| Selenium, Dissolved                                                                                                        | 0.00269J      | 0.12     | 0.112    | 93           | -         | -             | 75-125          | -   | 20         |
| Silver, Dissolved                                                                                                          | ND            | 0.05     | 0.04573  | 91           | -         | -             | 75-125          | -   | 20         |
| Sodium, Dissolved                                                                                                          | 1020          | 10       | 960      | 0            | Q         | -             | 75-125          | -   | 20         |
| Thallium, Dissolved                                                                                                        | ND            | 0.12     | 0.1175   | 98           | -         | -             | 75-125          | -   | 20         |
| Vanadium, Dissolved                                                                                                        | 0.00064J      | 0.5      | 0.5015   | 100          | -         | -             | 75-125          | -   | 20         |



# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Lab Number:** L1404493

**Project Number:** 470K

**Report Date:** 03/11/14

| Parameter                                                                                                                  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG674222-4 QC Sample: L1404493-02 Client ID: TMW2 |               |          |          |              |           |               |                 |     |            |
| Zinc, Dissolved                                                                                                            | 0.01323J      | 0.5      | 0.4807   | 96           | -         | -             | 75-125          | -   | 20         |

# Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                                       | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG673663-3 QC Sample: L1404475-02 Client ID: DUP Sample    |               |                  |       |     |      |            |
| Mercury, Total                                                                                                                  | ND            | ND               | mg/l  | NC  |      | 20         |
| Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG673687-3 QC Sample: L1404455-03 Client ID: DUP Sample |               |                  |       |     |      |            |
| Mercury, Total                                                                                                                  | 0.79          | 1.8              | mg/kg | 78  | Q    | 35         |
| Dissolved Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG673713-3 QC Sample: L1404493-02 Client ID: TMW2      |               |                  |       |     |      |            |
| Mercury, Dissolved                                                                                                              | ND            | ND               | mg/l  | NC  |      | 20         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                              | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG673762-3 QC Sample: L1404493-02 Client ID: TMW2 |               |                  |       |     |            |
| Aluminum, Total                                                                                                        | 0.688         | 0.671            | mg/l  | 3   | 20         |
| Antimony, Total                                                                                                        | 0.02308J      | 0.00788J         | mg/l  | NC  | 20         |
| Arsenic, Total                                                                                                         | 0.00356J      | 0.00298J         | mg/l  | NC  | 20         |
| Barium, Total                                                                                                          | 1.073         | 1.032            | mg/l  | 4   | 20         |
| Beryllium, Total                                                                                                       | ND            | ND               | mg/l  | NC  | 20         |
| Cadmium, Total                                                                                                         | ND            | ND               | mg/l  | NC  | 20         |
| Calcium, Total                                                                                                         | 401.          | 380              | mg/l  | 5   | 20         |
| Chromium, Total                                                                                                        | ND            | ND               | mg/l  | NC  | 20         |
| Cobalt, Total                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Copper, Total                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Iron, Total                                                                                                            | 0.901J        | 0.848J           | mg/l  | NC  | 20         |
| Lead, Total                                                                                                            | ND            | ND               | mg/l  | NC  | 20         |
| Magnesium, Total                                                                                                       | 10.4          | 10.1             | mg/l  | 3   | 20         |
| Manganese, Total                                                                                                       | 0.07978       | 0.08232          | mg/l  | 3   | 20         |
| Nickel, Total                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Potassium, Total                                                                                                       | 7.96          | 7.70             | mg/l  | 3   | 20         |
| Selenium, Total                                                                                                        | ND            | ND               | mg/l  | NC  | 20         |
| Silver, Total                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Thallium, Total                                                                                                        | ND            | ND               | mg/l  | NC  | 20         |

# Lab Duplicate Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                              | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG673762-3 QC Sample: L1404493-02 Client ID: TMW2 |               |                  |       |     |            |
| Vanadium, Total                                                                                                        | ND            | 0.00222J         | mg/l  | NC  | 20         |
| Zinc, Total                                                                                                            | ND            | ND               | mg/l  | NC  | 20         |
| Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG673762-3 QC Sample: L1404493-02 Client ID: TMW2 |               |                  |       |     |            |
| Sodium, Total                                                                                                          | 948.          | 1010             | mg/l  | 6   | 20         |

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Lab Number:** L1404493  
**Report Date:** 03/11/14

| Parameter                                                                                                                       | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG673910-3 QC Sample: L1404475-01 Client ID: DUP Sample |               |                  |       |     |            |
| Aluminum, Total                                                                                                                 | 2200          | 3000             | mg/kg | 31  | 35         |
| Antimony, Total                                                                                                                 | ND            | ND               | mg/kg | NC  | 35         |
| Arsenic, Total                                                                                                                  | 5.3           | 6.5              | mg/kg | 20  | 35         |
| Barium, Total                                                                                                                   | 85.           | 95               | mg/kg | 11  | 35         |
| Beryllium, Total                                                                                                                | 0.19J         | 0.22J            | mg/kg | NC  | 35         |
| Cadmium, Total                                                                                                                  | 1.8           | 1.2              | mg/kg | 40  | Q 35       |
| Calcium, Total                                                                                                                  | 6200          | 4400             | mg/kg | 34  | 35         |
| Chromium, Total                                                                                                                 | 7.8           | 10               | mg/kg | 25  | 35         |
| Cobalt, Total                                                                                                                   | 7.3           | 8.3              | mg/kg | 13  | 35         |
| Copper, Total                                                                                                                   | 130           | 140              | mg/kg | 7   | 35         |
| Lead, Total                                                                                                                     | 110           | 160              | mg/kg | 37  | Q 35       |
| Magnesium, Total                                                                                                                | 550           | 730              | mg/kg | 28  | 35         |
| Manganese, Total                                                                                                                | 270           | 240              | mg/kg | 12  | 35         |
| Nickel, Total                                                                                                                   | 11.           | 14               | mg/kg | 24  | 35         |
| Potassium, Total                                                                                                                | 360           | 460              | mg/kg | 24  | 35         |
| Selenium, Total                                                                                                                 | 1.6J          | 1.2J             | mg/kg | NC  | 35         |
| Silver, Total                                                                                                                   | 0.20J         | ND               | mg/kg | NC  | 35         |
| Sodium, Total                                                                                                                   | 1300          | 1500             | mg/kg | 14  | 35         |
| Thallium, Total                                                                                                                 | ND            | ND               | mg/kg | NC  | 35         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                                       | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG673910-3 QC Sample: L1404475-01 Client ID: DUP Sample |               |                  |       |     |            |
| Vanadium, Total                                                                                                                 | 12.           | 18               | mg/kg | 40  | Q 35       |
| Zinc, Total                                                                                                                     | 180           | 130              | mg/kg | 32  | 35         |
| Total Metals - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG673910-3 QC Sample: L1404475-01 Client ID: DUP Sample |               |                  |       |     |            |
| Iron, Total                                                                                                                     | 40000         | 26000            | mg/kg | 42  | Q 35       |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG674222-3 QC Sample: L1404493-02 Client ID: TMW2 |               |                  |       |     |            |
| Aluminum, Dissolved                                                                                                        | 0.135         | 0.134            | mg/l  | 1   | 20         |
| Antimony, Dissolved                                                                                                        | 0.00377J      | 0.00144J         | mg/l  | NC  | 20         |
| Arsenic, Dissolved                                                                                                         | 0.00220       | 0.00202          | mg/l  | 9   | 20         |
| Barium, Dissolved                                                                                                          | 0.9860        | 0.9884           | mg/l  | 0   | 20         |
| Beryllium, Dissolved                                                                                                       | ND            | ND               | mg/l  | NC  | 20         |
| Cadmium, Dissolved                                                                                                         | ND            | ND               | mg/l  | NC  | 20         |
| Chromium, Dissolved                                                                                                        | 0.00116J      | 0.00121J         | mg/l  | NC  | 20         |
| Cobalt, Dissolved                                                                                                          | 0.00046J      | 0.00043J         | mg/l  | NC  | 20         |
| Copper, Dissolved                                                                                                          | 0.00083J      | 0.00068J         | mg/l  | NC  | 20         |
| Iron, Dissolved                                                                                                            | 1.41          | 1.44             | mg/l  | 2   | 20         |
| Lead, Dissolved                                                                                                            | ND            | ND               | mg/l  | NC  | 20         |
| Magnesium, Dissolved                                                                                                       | 9.72          | 9.56             | mg/l  | 2   | 20         |
| Manganese, Dissolved                                                                                                       | 0.00247       | 0.00214          | mg/l  | 14  | 20         |
| Nickel, Dissolved                                                                                                          | 0.00299       | 0.00303          | mg/l  | 1   | 20         |
| Potassium, Dissolved                                                                                                       | 14.2          | 14.1             | mg/l  | 1   | 20         |
| Selenium, Dissolved                                                                                                        | 0.00269J      | 0.00214J         | mg/l  | NC  | 20         |
| Silver, Dissolved                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Thallium, Dissolved                                                                                                        | ND            | ND               | mg/l  | NC  | 20         |
| Vanadium, Dissolved                                                                                                        | 0.00064J      | 0.00065J         | mg/l  | NC  | 20         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404493

**Report Date:** 03/11/14

| Parameter                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG674222-3 QC Sample: L1404493-02 Client ID: TMW2 |               |                  |       |     |            |
| Zinc, Dissolved                                                                                                            | 0.01323J      | 0.01082J         | mg/l  | NC  | 20         |
| Dissolved Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG674222-3 QC Sample: L1404493-02 Client ID: TMW2 |               |                  |       |     |            |
| Calcium, Dissolved                                                                                                         | 354.          | 341              | mg/l  | 4   | 20         |
| Sodium, Dissolved                                                                                                          | 1020          | 982              | mg/l  | 4   | 20         |



# **INORGANICS & MISCELLANEOUS**

**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404493**Report Date:** 03/11/14**SAMPLE RESULTS****Lab ID:** L1404493-01**Client ID:** SB2 (0.5-3)**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 03/04/14 09:25**Date Received:** 03/04/14**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 90.2   |           | %     | 0.100 | NA  | 1                  | -                | 03/05/14 00:17   | 30,2540G             | RT      |



**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404493**Report Date:** 03/11/14**SAMPLE RESULTS****Lab ID:** L1404493-03**Client ID:** SB4 (8-10)**Sample Location:** BROOKLYN, NY**Matrix:** Soil**Date Collected:** 03/04/14 12:40**Date Received:** 03/04/14**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 89.1   |           | %     | 0.100 | NA  | 1                  | -                | 03/05/14 00:17   | 30,2540G             | RT      |



**Lab Duplicate Analysis**  
Batch Quality Control**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404493**Report Date:** 03/11/14

| Parameter                                                                                                                            | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG673614-1 QC Sample: L1404476-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Solids, Total                                                                                                                        | 90.2          | 89.8             | %     | 0   |      | 20         |

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

| Container ID | Container Type               | Cooler | pH  | Temp deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|------------------------------|--------|-----|------------|------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1404493-01A | Vial Large Septa unpreserved | A      | N/A | 3.9        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404493-01B | Amber 250ml unpreserved      | A      | N/A | 3.9        | Y    | Absent | BE-Ti(180),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),TS(7),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),NYTCL-8081(14),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NYTCL-8082(14),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)                |
| L1404493-02A | Vial HCl preserved           | A      | N/A | 3.9        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404493-02B | Vial HCl preserved           | A      | N/A | 3.9        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404493-02C | Vial HCl preserved           | A      | N/A | 3.9        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404493-02D | Plastic 250ml unpreserved    | A      | 7   | 3.9        | Y    | Absent | FILTER-MET(1)                                                                                                                                                                                                                                                                                                              |
| L1404493-02E | Plastic 500ml HNO3 preserved | A      | <2  | 3.9        | Y    | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-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),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1404493-02F | Amber 500ml unpreserved      | A      | 7   | 3.9        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404493-02G | Amber 500ml unpreserved      | A      | 7   | 3.9        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404493-02H | Amber 1000ml unpreserved     | A      | 7   | 3.9        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1404493-02I | Amber 1000ml unpreserved     | A      | 7   | 3.9        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1404493-02J | Amber 1000ml unpreserved     | A      | 7   | 3.9        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1404493-02K | Amber 1000ml unpreserved     | A      | 7   | 3.9        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |

\*Values in parentheses indicate holding time in days



Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404493

Report Date: 03/11/14

**Container Information**

| Container ID | Container Type                   | Cooler | pH  | Temp<br>deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------|--------|-----|---------------|------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1404493-02X | Plastic 250ml HNO3 preserved spl | A      | <2  | 3.9           | Y    | Absent | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1404493-03A | Vial Large Septa unpreserved     | A      | N/A | 3.9           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404493-03B | Amber 250ml unpreserved          | A      | N/A | 3.9           | Y    | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)                |

**Container Comments**

L1404493-02X

\*Values in parentheses indicate holding time in days



**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404493  
**Report Date:** 03/11/14

## GLOSSARY

### Acronyms

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).                        |
| 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.                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                                                                                                                  |
| 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.                                                                                                                                                                                                                                                                                                          |
| NI   | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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.                                                                                                                                                                                                                                                                                                    |

### 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.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- 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.
- 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.
- 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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404493**Project Number:** 470K**Report Date:** 03/11/14**Data Qualifiers**

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- 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).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.



**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404493  
**Report Date:** 03/11/14

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

## 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

Last revised December 11, 2013

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

### **Westborough Facility**

**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

**EPA 8330A/B:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 625:** 4-Chloroaniline, 4-Methylphenol.

**SM4500:** Soil: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

### **Mansfield Facility**

**EPA 8270D:** Biphenyl.

**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.

**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

### **Drinking Water**

**EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

**EPA 300.0:** 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**

**EPA 332:** Perchlorate.

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

### **Non-Potable Water**

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

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

**EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

**EPA 624:** Volatile Halocarbons & Aromatics,

**EPA 608:** 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:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

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





## ANALYTICAL REPORT

|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| Lab Number:     | L1404571                                                                            |
| Client:         | Tenen Environmental, LLC<br>121 West 27th Street<br>Suite 1004<br>New York City, NY |
| ATTN:           | Matt Carroll                                                                        |
| Phone:          | (646) 606-2332                                                                      |
| Project Name:   | 470 KENT AVE                                                                        |
| Project Number: | 470K                                                                                |
| Report Date:    | 03/12/14                                                                            |

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



**Project Name:** 470 KENT AVE  
**Project Number:** 470K

**Lab Number:** L1404571  
**Report Date:** 03/12/14

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> |
|----------------------------|------------------|----------------------------|---------------------------------|
| L1404571-01                | TMW4             | BROOKLYN, NY               | 03/04/14 13:45                  |
| L1404571-02                | TMW4-PURGE       | BROOKLYN, NY               | 03/04/14 00:00                  |

**Project Name:** 470 KENT AVE  
**Project Number:** 470K

**Lab Number:** L1404571  
**Report Date:** 03/12/14

### 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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### 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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

---

**Project Name:** 470 KENT AVE  
**Project Number:** 470K

**Lab Number:** L1404571  
**Report Date:** 03/12/14

### 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.

#### Semivolatile Organics - SIM

L1404571-01 has elevated detection limits due to the dilution required by the sample matrix.

#### Total Metals

L1404571-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG673985-4 MS recoveries for aluminum (142%), calcium (0%), iron (40%), magnesium (0%), potassium (0%) and sodium (0%), performed on L1404571-01, do not apply because the sample concentrations are greater than four times the spike amount added.

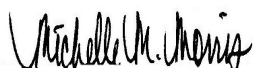
#### Dissolved Metals

L1404571-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG674526-4 MS recoveries for calcium (30%), magnesium (10%), potassium (50%) and sodium (0%), performed on L1404571-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

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: 03/12/14

# ORGANICS



# VOLATILES

**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

**Lab ID:** L1404571-01  
**Client ID:** TMW4  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/10/14 13:01  
**Analyst:** PD

**Date Collected:** 03/04/14 13:45  
**Date Received:** 03/05/14  
**Field Prep:** Not Specified

| 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  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                            | 0.44   | J         | 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               |
| 1,1-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 | 0.14 | 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  | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.17 | 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               |

**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404571-01  
 Client ID: TMW4  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 13:45  
 Date Received: 03/05/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 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               |
| cis-1,2-Dichloroethene                       | 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 | 1.0  | 1               |
| Carbon disulfide                             | 2.2    | J         | ug/l  | 5.0 | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0 | 1.0  | 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               |
| 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 | 41.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

## SAMPLE RESULTS

Lab ID: L1404571-01  
 Client ID: TMW4  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 13:45  
 Date Received: 03/05/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0 | 0.65 | 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            | 94         |           | 70-130              |
| 4-Bromofluorobenzene  | 95         |           | 70-130              |
| Dibromofluoromethane  | 101        |           | 70-130              |

**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

**Lab ID:** L1404571-02  
**Client ID:** TMW4-PURGE  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/12/14 11:18  
**Analyst:** PD

**Date Collected:** 03/04/14 00:00  
**Date Received:** 03/05/14  
**Field Prep:** Not Specified

| 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  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                            | 0.20   | J         | 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               |
| 1,1-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 | 0.14 | 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  | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.17 | 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               |

**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404571-02  
 Client ID: TMW4-PURGE  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 00:00  
 Date Received: 03/05/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 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               |
| cis-1,2-Dichloroethene                       | 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 | 1.0  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0 | 1.0  | 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               |
| 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 | 41.  | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0 | 0.70 | 1               |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

## SAMPLE RESULTS

Lab ID: L1404571-02  
 Client ID: TMW4-PURGE  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 00:00  
 Date Received: 03/05/14  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0 | 0.65 | 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            | 93         |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 99         |           | 70-130              |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/10/14 11:14  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL   | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG674550-3 |        |           |       |      |      |
| 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  | 0.13 |
| 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 |
| 1,1-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 | 0.14 |
| 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  | 0.33 |
| Chloroethane                                                                     | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethene                                                               | ND     |           | ug/l  | 0.50 | 0.14 |
| trans-1,2-Dichloroethene                                                         | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichloroethene                                                                  | ND     |           | ug/l  | 0.50 | 0.17 |
| 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 |



Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/10/14 11:14  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG674550-3 |        |           |       |     |      |
| 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 |
| cis-1,2-Dichloroethene                                                           | 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 | 1.0  |
| Carbon disulfide                                                                 | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Butanone                                                                       | ND     |           | ug/l  | 5.0 | 1.0  |
| 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 |
| 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 |



Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/10/14 11:14  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG674550-3 |        |           |       |     |      |
| 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 | 41.  |
| 1,4-Diethylbenzene                                                               | ND     |           | ug/l  | 2.0 | 0.70 |
| 4-Ethyltoluene                                                                   | ND     |           | ug/l  | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene                                                       | ND     |           | ug/l  | 2.0 | 0.65 |
| 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<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 102       |           | 70-130                 |
| Toluene-d8            | 97        |           | 70-130                 |
| 4-Bromofluorobenzene  | 97        |           | 70-130                 |
| Dibromofluoromethane  | 100       |           | 70-130                 |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/12/14 10:38  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL   | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG675025-3 |        |           |       |      |      |
| 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  | 0.13 |
| 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 |
| 1,1-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 | 0.14 |
| 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  | 0.33 |
| Chloroethane                                                                     | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethene                                                               | ND     |           | ug/l  | 0.50 | 0.14 |
| trans-1,2-Dichloroethene                                                         | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichloroethene                                                                  | ND     |           | ug/l  | 0.50 | 0.17 |
| 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 |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/12/14 10:38  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG675025-3 |        |           |       |     |      |
| 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 |
| cis-1,2-Dichloroethene                                                           | 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 | 1.0  |
| Carbon disulfide                                                                 | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Butanone                                                                       | ND     |           | ug/l  | 5.0 | 1.0  |
| 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 |
| 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 |



Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 03/12/14 10:38  
 Analyst: PD

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL  |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG675025-3 |        |           |       |     |      |
| 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 | 41.  |
| 1,4-Diethylbenzene                                                               | ND     |           | ug/l  | 2.0 | 0.70 |
| 4-Ethyltoluene                                                                   | ND     |           | ug/l  | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene                                                       | ND     |           | ug/l  | 2.0 | 0.65 |
| 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<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 103       |           | 70-130                 |
| Toluene-d8            | 95        |           | 70-130                 |
| 4-Bromofluorobenzene  | 93        |           | 70-130                 |
| Dibromofluoromethane  | 100       |           | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG674550-1 WG674550-2 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                 | 111              |      | 90                |      | 70-130              | 21  | Q    | 20            |
| 1,1-Dichloroethane                                                                                 | 105              |      | 88                |      | 70-130              | 18  |      | 20            |
| Chloroform                                                                                         | 112              |      | 93                |      | 70-130              | 19  |      | 20            |
| Carbon tetrachloride                                                                               | 110              |      | 93                |      | 63-132              | 17  |      | 20            |
| 1,2-Dichloropropane                                                                                | 103              |      | 84                |      | 70-130              | 20  |      | 20            |
| Dibromochloromethane                                                                               | 118              |      | 97                |      | 63-130              | 20  |      | 20            |
| 1,1,2-Trichloroethane                                                                              | 106              |      | 89                |      | 70-130              | 17  |      | 20            |
| Tetrachloroethene                                                                                  | 116              |      | 98                |      | 70-130              | 17  |      | 20            |
| Chlorobenzene                                                                                      | 110              |      | 93                |      | 75-130              | 17  |      | 20            |
| Trichlorofluoromethane                                                                             | 118              |      | 99                |      | 62-150              | 18  |      | 20            |
| 1,2-Dichloroethane                                                                                 | 113              |      | 93                |      | 70-130              | 19  |      | 20            |
| 1,1,1-Trichloroethane                                                                              | 112              |      | 92                |      | 67-130              | 20  |      | 20            |
| Bromodichloromethane                                                                               | 118              |      | 96                |      | 67-130              | 21  | Q    | 20            |
| trans-1,3-Dichloropropene                                                                          | 99               |      | 80                |      | 70-130              | 21  | Q    | 20            |
| cis-1,3-Dichloropropene                                                                            | 102              |      | 83                |      | 70-130              | 21  | Q    | 20            |
| 1,1-Dichloropropene                                                                                | 110              |      | 90                |      | 70-130              | 20  |      | 20            |
| Bromoform                                                                                          | 111              |      | 93                |      | 54-136              | 18  |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                          | 102              |      | 86                |      | 67-130              | 17  |      | 20            |
| Benzene                                                                                            | 106              |      | 87                |      | 70-130              | 20  |      | 20            |
| Toluene                                                                                            | 108              |      | 90                |      | 70-130              | 18  |      | 20            |
| Ethylbenzene                                                                                       | 110              |      | 94                |      | 70-130              | 16  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG674550-1 WG674550-2 |                  |      |                   |      |                     |     |      |               |
| Chloromethane                                                                                      | 78               |      | 67                |      | 64-130              | 15  |      | 20            |
| Bromomethane                                                                                       | 99               |      | 102               |      | 39-139              | 3   |      | 20            |
| Vinyl chloride                                                                                     | 100              |      | 80                |      | 55-140              | 22  | Q    | 20            |
| Chloroethane                                                                                       | 108              |      | 88                |      | 55-138              | 20  |      | 20            |
| 1,1-Dichloroethene                                                                                 | 108              |      | 93                |      | 61-145              | 15  |      | 20            |
| trans-1,2-Dichloroethene                                                                           | 108              |      | 91                |      | 70-130              | 17  |      | 20            |
| Trichloroethene                                                                                    | 111              |      | 94                |      | 70-130              | 17  |      | 20            |
| 1,2-Dichlorobenzene                                                                                | 108              |      | 94                |      | 70-130              | 14  |      | 20            |
| 1,3-Dichlorobenzene                                                                                | 110              |      | 96                |      | 70-130              | 14  |      | 20            |
| 1,4-Dichlorobenzene                                                                                | 109              |      | 95                |      | 70-130              | 14  |      | 20            |
| Methyl tert butyl ether                                                                            | 94               |      | 77                |      | 63-130              | 20  |      | 20            |
| p/m-Xylene                                                                                         | 108              |      | 92                |      | 70-130              | 16  |      | 20            |
| o-Xylene                                                                                           | 109              |      | 92                |      | 70-130              | 17  |      | 20            |
| cis-1,2-Dichloroethene                                                                             | 108              |      | 88                |      | 70-130              | 20  |      | 20            |
| Dibromomethane                                                                                     | 112              |      | 92                |      | 70-130              | 20  |      | 20            |
| 1,2,3-Trichloropropane                                                                             | 103              |      | 87                |      | 64-130              | 17  |      | 20            |
| Acrylonitrile                                                                                      | 93               |      | 77                |      | 70-130              | 19  |      | 20            |
| Styrene                                                                                            | 109              |      | 92                |      | 70-130              | 17  |      | 20            |
| Dichlorodifluoromethane                                                                            | 81               |      | 68                |      | 36-147              | 17  |      | 20            |
| Acetone                                                                                            | 104              |      | 79                |      | 58-148              | 27  | Q    | 20            |
| Carbon disulfide                                                                                   | 104              |      | 83                |      | 51-130              | 22  | Q    | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG674550-1 WG674550-2 |                  |      |                   |      |                     |     |      |               |
| 2-Butanone                                                                                         | 69               |      | 56                | Q    | 63-138              | 21  | Q    | 20            |
| Vinyl acetate                                                                                      | 85               |      | 73                |      | 70-130              | 15  |      | 20            |
| 4-Methyl-2-pentanone                                                                               | 93               |      | 80                |      | 59-130              | 15  |      | 20            |
| 2-Hexanone                                                                                         | 83               |      | 68                |      | 57-130              | 20  |      | 20            |
| Bromochloromethane                                                                                 | 116              |      | 96                |      | 70-130              | 19  |      | 20            |
| 2,2-Dichloropropane                                                                                | 96               |      | 78                |      | 63-133              | 21  | Q    | 20            |
| 1,2-Dibromoethane                                                                                  | 108              |      | 90                |      | 70-130              | 18  |      | 20            |
| 1,3-Dichloropropane                                                                                | 104              |      | 88                |      | 70-130              | 17  |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                          | 111              |      | 94                |      | 64-130              | 17  |      | 20            |
| Bromobenzene                                                                                       | 115              |      | 98                |      | 70-130              | 16  |      | 20            |
| n-Butylbenzene                                                                                     | 106              |      | 92                |      | 53-136              | 14  |      | 20            |
| sec-Butylbenzene                                                                                   | 112              |      | 95                |      | 70-130              | 16  |      | 20            |
| tert-Butylbenzene                                                                                  | 112              |      | 96                |      | 70-130              | 15  |      | 20            |
| o-Chlorotoluene                                                                                    | 111              |      | 95                |      | 70-130              | 16  |      | 20            |
| p-Chlorotoluene                                                                                    | 108              |      | 94                |      | 70-130              | 14  |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                        | 91               |      | 82                |      | 41-144              | 10  |      | 20            |
| Hexachlorobutadiene                                                                                | 114              |      | 98                |      | 63-130              | 15  |      | 20            |
| Isopropylbenzene                                                                                   | 111              |      | 95                |      | 70-130              | 16  |      | 20            |
| p-Isopropyltoluene                                                                                 | 112              |      | 95                |      | 70-130              | 16  |      | 20            |
| Naphthalene                                                                                        | 86               |      | 80                |      | 70-130              | 7   |      | 20            |
| n-Propylbenzene                                                                                    | 109              |      | 94                |      | 69-130              | 15  |      | 20            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG674550-1 WG674550-2 |                  |      |                   |      |                     |     |      |               |
| 1,2,3-Trichlorobenzene                                                                             | 95               |      | 91                |      | 70-130              | 4   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                             | 97               |      | 90                |      | 70-130              | 7   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                             | 111              |      | 95                |      | 64-130              | 16  |      | 20            |
| 1,2,4-Trimethylbenzene                                                                             | 107              |      | 92                |      | 70-130              | 15  |      | 20            |
| 1,4-Dioxane                                                                                        | 106              |      | 72                |      | 56-162              | 38  | Q    | 20            |
| 1,4-Diethylbenzene                                                                                 | 101              |      | 86                |      | 70-130              | 16  |      | 20            |
| 4-Ethyltoluene                                                                                     | 111              |      | 96                |      | 70-130              | 14  |      | 20            |
| 1,2,4,5-Tetramethylbenzene                                                                         | 107              |      | 92                |      | 70-130              | 15  |      | 20            |
| Ethyl ether                                                                                        | 116              |      | 89                |      | 59-134              | 26  | Q    | 20            |
| trans-1,4-Dichloro-2-butene                                                                        | 91               |      | 74                |      | 70-130              | 21  | Q    | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 101              |      | 99                |      | 70-130                 |
| Toluene-d8            | 97               |      | 98                |      | 70-130                 |
| 4-Bromofluorobenzene  | 97               |      | 98                |      | 70-130                 |
| Dibromofluoromethane  | 101              |      | 99                |      | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG675025-1 WG675025-2 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                 | 107              |      | 98                |      | 70-130              | 9   |      | 20            |
| 1,1-Dichloroethane                                                                                 | 100              |      | 91                |      | 70-130              | 9   |      | 20            |
| Chloroform                                                                                         | 106              |      | 100               |      | 70-130              | 6   |      | 20            |
| Carbon tetrachloride                                                                               | 110              |      | 98                |      | 63-132              | 12  |      | 20            |
| 1,2-Dichloropropane                                                                                | 96               |      | 89                |      | 70-130              | 8   |      | 20            |
| Dibromochloromethane                                                                               | 110              |      | 103               |      | 63-130              | 7   |      | 20            |
| 1,1,2-Trichloroethane                                                                              | 100              |      | 93                |      | 70-130              | 7   |      | 20            |
| Tetrachloroethene                                                                                  | 112              |      | 104               |      | 70-130              | 7   |      | 20            |
| Chlorobenzene                                                                                      | 103              |      | 100               |      | 75-130              | 3   |      | 20            |
| Trichlorofluoromethane                                                                             | 116              |      | 102               |      | 62-150              | 13  |      | 20            |
| 1,2-Dichloroethane                                                                                 | 108              |      | 100               |      | 70-130              | 8   |      | 20            |
| 1,1,1-Trichloroethane                                                                              | 105              |      | 99                |      | 67-130              | 6   |      | 20            |
| Bromodichloromethane                                                                               | 112              |      | 100               |      | 67-130              | 11  |      | 20            |
| trans-1,3-Dichloropropene                                                                          | 88               |      | 83                |      | 70-130              | 6   |      | 20            |
| cis-1,3-Dichloropropene                                                                            | 96               |      | 88                |      | 70-130              | 9   |      | 20            |
| 1,1-Dichloropropene                                                                                | 103              |      | 95                |      | 70-130              | 8   |      | 20            |
| Bromoform                                                                                          | 106              |      | 95                |      | 54-136              | 11  |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                          | 98               |      | 91                |      | 67-130              | 7   |      | 20            |
| Benzene                                                                                            | 100              |      | 93                |      | 70-130              | 7   |      | 20            |
| Toluene                                                                                            | 99               |      | 94                |      | 70-130              | 5   |      | 20            |
| Ethylbenzene                                                                                       | 101              |      | 97                |      | 70-130              | 4   |      | 20            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG675025-1 WG675025-2 |                  |      |                   |      |                     |     |      |               |
| Chloromethane                                                                                      | 74               |      | 68                |      | 64-130              | 8   |      | 20            |
| Bromomethane                                                                                       | 106              |      | 98                |      | 39-139              | 8   |      | 20            |
| Vinyl chloride                                                                                     | 98               |      | 85                |      | 55-140              | 14  |      | 20            |
| Chloroethane                                                                                       | 105              |      | 94                |      | 55-138              | 11  |      | 20            |
| 1,1-Dichloroethene                                                                                 | 110              |      | 98                |      | 61-145              | 12  |      | 20            |
| trans-1,2-Dichloroethene                                                                           | 108              |      | 95                |      | 70-130              | 13  |      | 20            |
| Trichloroethene                                                                                    | 107              |      | 98                |      | 70-130              | 9   |      | 20            |
| 1,2-Dichlorobenzene                                                                                | 105              |      | 97                |      | 70-130              | 8   |      | 20            |
| 1,3-Dichlorobenzene                                                                                | 104              |      | 100               |      | 70-130              | 4   |      | 20            |
| 1,4-Dichlorobenzene                                                                                | 103              |      | 99                |      | 70-130              | 4   |      | 20            |
| Methyl tert butyl ether                                                                            | 91               |      | 83                |      | 63-130              | 9   |      | 20            |
| p/m-Xylene                                                                                         | 100              |      | 98                |      | 70-130              | 2   |      | 20            |
| o-Xylene                                                                                           | 101              |      | 97                |      | 70-130              | 4   |      | 20            |
| cis-1,2-Dichloroethene                                                                             | 99               |      | 94                |      | 70-130              | 5   |      | 20            |
| Dibromomethane                                                                                     | 105              |      | 99                |      | 70-130              | 6   |      | 20            |
| 1,2,3-Trichloropropane                                                                             | 99               |      | 91                |      | 64-130              | 8   |      | 20            |
| Acrylonitrile                                                                                      | 92               |      | 89                |      | 70-130              | 3   |      | 20            |
| Styrene                                                                                            | 102              |      | 96                |      | 70-130              | 6   |      | 20            |
| Dichlorodifluoromethane                                                                            | 79               |      | 72                |      | 36-147              | 9   |      | 20            |
| Acetone                                                                                            | 97               |      | 87                |      | 58-148              | 11  |      | 20            |
| Carbon disulfide                                                                                   | 100              |      | 86                |      | 51-130              | 15  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG675025-1 WG675025-2 |                  |      |                   |      |                     |     |      |               |
| 2-Butanone                                                                                         | 70               |      | 61                | Q    | 63-138              | 14  |      | 20            |
| Vinyl acetate                                                                                      | 82               |      | 79                |      | 70-130              | 4   |      | 20            |
| 4-Methyl-2-pentanone                                                                               | 87               |      | 87                |      | 59-130              | 0   |      | 20            |
| 2-Hexanone                                                                                         | 79               |      | 74                |      | 57-130              | 7   |      | 20            |
| Bromochloromethane                                                                                 | 115              |      | 103               |      | 70-130              | 11  |      | 20            |
| 2,2-Dichloropropane                                                                                | 90               |      | 80                |      | 63-133              | 12  |      | 20            |
| 1,2-Dibromoethane                                                                                  | 101              |      | 94                |      | 70-130              | 7   |      | 20            |
| 1,3-Dichloropropane                                                                                | 97               |      | 93                |      | 70-130              | 4   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                          | 103              |      | 95                |      | 64-130              | 8   |      | 20            |
| Bromobenzene                                                                                       | 108              |      | 101               |      | 70-130              | 7   |      | 20            |
| n-Butylbenzene                                                                                     | 105              |      | 95                |      | 53-136              | 10  |      | 20            |
| sec-Butylbenzene                                                                                   | 105              |      | 97                |      | 70-130              | 8   |      | 20            |
| tert-Butylbenzene                                                                                  | 105              |      | 100               |      | 70-130              | 5   |      | 20            |
| o-Chlorotoluene                                                                                    | 103              |      | 96                |      | 70-130              | 7   |      | 20            |
| p-Chlorotoluene                                                                                    | 101              |      | 96                |      | 70-130              | 5   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                        | 87               |      | 81                |      | 41-144              | 7   |      | 20            |
| Hexachlorobutadiene                                                                                | 109              |      | 99                |      | 63-130              | 10  |      | 20            |
| Isopropylbenzene                                                                                   | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| p-Isopropyltoluene                                                                                 | 107              |      | 100               |      | 70-130              | 7   |      | 20            |
| Naphthalene                                                                                        | 94               |      | 90                |      | 70-130              | 4   |      | 20            |
| n-Propylbenzene                                                                                    | 103              |      | 96                |      | 69-130              | 7   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG675025-1 WG675025-2 |                  |      |                   |      |                     |     |      |               |
| 1,2,3-Trichlorobenzene                                                                             | 103              |      | 96                |      | 70-130              | 7   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                             | 101              |      | 97                |      | 70-130              | 4   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                             | 105              |      | 97                |      | 64-130              | 8   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                             | 102              |      | 96                |      | 70-130              | 6   |      | 20            |
| 1,4-Dioxane                                                                                        | 102              |      | 90                |      | 56-162              | 13  |      | 20            |
| 1,4-Diethylbenzene                                                                                 | 103              |      | 94                |      | 70-130              | 9   |      | 20            |
| 4-Ethyltoluene                                                                                     | 104              |      | 97                |      | 70-130              | 7   |      | 20            |
| 1,2,4,5-Tetramethylbenzene                                                                         | 104              |      | 98                |      | 70-130              | 6   |      | 20            |
| Ethyl ether                                                                                        | 108              |      | 99                |      | 59-134              | 9   |      | 20            |
| trans-1,4-Dichloro-2-butene                                                                        | 87               |      | 78                |      | 70-130              | 11  |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 102              |      | 98                |      | 70-130                 |
| Toluene-d8            | 94               |      | 95                |      | 70-130                 |
| 4-Bromofluorobenzene  | 98               |      | 94                |      | 70-130                 |
| Dibromofluoromethane  | 105              |      | 104               |      | 70-130                 |

# SEMIVOLATILES

**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

**Lab ID:** L1404571-01  
**Client ID:** TMW4  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/07/14 19:21  
**Analyst:** RC

**Date Collected:** 03/04/14 13:45  
**Date Received:** 03/05/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/06/14 09:56

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.21 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.41 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.30 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.32 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 1.0  | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.89 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.36 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.60 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.60 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 0.58 | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.79 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/l  | 2.0 | 0.34 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 0.93 | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.39 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.33 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.24 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.84 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.96 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.67 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.83 | 1               |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.22 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.36 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.43 | 1               |

**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404571-01  
 Client ID: TMW4  
 Sample Location: BROOKLYN, NY

Date Collected: 03/04/14 13:45  
 Date Received: 03/05/14  
 Field Prep: Not Specified

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.78 | 1               |
| P-Chloro-M-Cresol                                | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/l  | 2.0 | 0.58 | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/l  | 5.0 | 0.56 | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/l  | 5.0 | 0.58 | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.0  | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/l  | 10  | 1.1  | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/l  | 20  | 1.4  | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/l  | 10  | 1.4  | 1               |
| Phenol                                           | ND     |           | ug/l  | 5.0 | 0.27 | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 5.0 | 0.70 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 5.0 | 0.72 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 5.0 | 0.75 | 1               |
| Benzoic Acid                                     | ND     |           | ug/l  | 50  | 1.0  | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/l  | 2.0 | 0.68 | 1               |
| Carbazole                                        | ND     |           | ug/l  | 2.0 | 0.37 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 54         |           | 21-120              |
| Phenol-d6            | 37         |           | 10-120              |
| Nitrobenzene-d5      | 81         |           | 23-120              |
| 2-Fluorobiphenyl     | 75         |           | 15-120              |
| 2,4,6-Tribromophenol | 92         |           | 10-120              |
| 4-Terphenyl-d14      | 87         |           | 41-149              |



**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

**Lab ID:** L1404571-01      D  
**Client ID:** TMW4  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 03/12/14 11:09  
**Analyst:** MW

**Date Collected:** 03/04/14 13:45  
**Date Received:** 03/05/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/06/14 09:58

| Parameter                                            | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |     |      |                 |
| Acenaphthene                                         | 0.39   | J         | ug/l  | 1.0 | 0.32 | 5               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 1.0 | 0.33 | 5               |
| Fluoranthene                                         | 0.52   | J         | ug/l  | 1.0 | 0.22 | 5               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 2.5 | 0.36 | 5               |
| Naphthalene                                          | ND     |           | ug/l  | 1.0 | 0.32 | 5               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 1.0 | 0.28 | 5               |
| Benzo(a)pyrene                                       | 1.2    |           | ug/l  | 1.0 | 0.34 | 5               |
| Benzo(b)fluoranthene                                 | 1.5    |           | ug/l  | 1.0 | 0.36 | 5               |
| Benzo(k)fluoranthene                                 | 0.59   | J         | ug/l  | 1.0 | 0.34 | 5               |
| Chrysene                                             | ND     |           | ug/l  | 1.0 | 0.24 | 5               |
| Acenaphthylene                                       | ND     |           | ug/l  | 1.0 | 0.25 | 5               |
| Anthracene                                           | 0.43   | J         | ug/l  | 1.0 | 0.32 | 5               |
| Benzo(ghi)perylene                                   | 0.84   | J         | ug/l  | 1.0 | 0.35 | 5               |
| Fluorene                                             | ND     |           | ug/l  | 1.0 | 0.28 | 5               |
| Phenanthrene                                         | 0.50   | J         | ug/l  | 1.0 | 0.32 | 5               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 1.0 | 0.36 | 5               |
| Indeno(1,2,3-cd)Pyrene                               | 1.1    |           | ug/l  | 1.0 | 0.40 | 5               |
| Pyrene                                               | 5.8    |           | ug/l  | 1.0 | 0.28 | 5               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 1.0 | 0.30 | 5               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 4.0 | 0.94 | 5               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 4.0 | 0.07 | 5               |
| Hexachloroethane                                     | ND     |           | ug/l  | 4.0 | 0.32 | 5               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 50         |           | 21-120              |
| Phenol-d6            | 37         |           | 10-120              |
| Nitrobenzene-d5      | 78         |           | 23-120              |
| 2-Fluorobiphenyl     | 81         |           | 15-120              |
| 2,4,6-Tribromophenol | 98         |           | 10-120              |
| 4-Terphenyl-d14      | 106        |           | 41-149              |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/07/14 10:06  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 03/06/14 09:56

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG673968-1 |        |           |       |     |      |
| 1,2,4-Trichlorobenzene                                                               | ND     |           | ug/l  | 5.0 | 0.21 |
| Bis(2-chloroethyl)ether                                                              | ND     |           | ug/l  | 2.0 | 0.41 |
| 1,2-Dichlorobenzene                                                                  | ND     |           | ug/l  | 2.0 | 0.30 |
| 1,3-Dichlorobenzene                                                                  | ND     |           | ug/l  | 2.0 | 0.35 |
| 1,4-Dichlorobenzene                                                                  | ND     |           | ug/l  | 2.0 | 0.32 |
| 3,3'-Dichlorobenzidine                                                               | ND     |           | ug/l  | 5.0 | 0.48 |
| 2,4-Dinitrotoluene                                                                   | ND     |           | ug/l  | 5.0 | 1.0  |
| 2,6-Dinitrotoluene                                                                   | ND     |           | ug/l  | 5.0 | 0.89 |
| 4-Chlorophenyl phenyl ether                                                          | ND     |           | ug/l  | 2.0 | 0.36 |
| 4-Bromophenyl phenyl ether                                                           | ND     |           | ug/l  | 2.0 | 0.43 |
| Bis(2-chloroisopropyl)ether                                                          | ND     |           | ug/l  | 2.0 | 0.60 |
| Bis(2-chloroethoxy)methane                                                           | ND     |           | ug/l  | 5.0 | 0.60 |
| Hexachlorocyclopentadiene                                                            | ND     |           | ug/l  | 20  | 0.58 |
| Isophorone                                                                           | ND     |           | ug/l  | 5.0 | 0.79 |
| Nitrobenzene                                                                         | ND     |           | ug/l  | 2.0 | 0.40 |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                       | ND     |           | ug/l  | 2.0 | 0.34 |
| n-Nitrosodi-n-propylamine                                                            | ND     |           | ug/l  | 5.0 | 0.64 |
| Bis(2-Ethylhexyl)phthalate                                                           | ND     |           | ug/l  | 3.0 | 0.93 |
| Butyl benzyl phthalate                                                               | ND     |           | ug/l  | 5.0 | 1.1  |
| Di-n-butylphthalate                                                                  | ND     |           | ug/l  | 5.0 | 0.77 |
| Di-n-octylphthalate                                                                  | ND     |           | ug/l  | 5.0 | 1.2  |
| Diethyl phthalate                                                                    | ND     |           | ug/l  | 5.0 | 0.39 |
| Dimethyl phthalate                                                                   | ND     |           | ug/l  | 5.0 | 0.33 |
| Biphenyl                                                                             | ND     |           | ug/l  | 2.0 | 0.24 |
| 4-Chloroaniline                                                                      | ND     |           | ug/l  | 5.0 | 0.84 |
| 2-Nitroaniline                                                                       | ND     |           | ug/l  | 5.0 | 0.96 |
| 3-Nitroaniline                                                                       | ND     |           | ug/l  | 5.0 | 0.67 |
| 4-Nitroaniline                                                                       | ND     |           | ug/l  | 5.0 | 0.83 |
| Dibenzofuran                                                                         | ND     |           | ug/l  | 2.0 | 0.22 |
| 1,2,4,5-Tetrachlorobenzene                                                           | ND     |           | ug/l  | 10  | 0.36 |
| Acetophenone                                                                         | ND     |           | ug/l  | 5.0 | 0.43 |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 03/07/14 10:06  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 03/06/14 09:56

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG673968-1 |        |           |       |     |      |
| 2,4,6-Trichlorophenol                                                                | ND     |           | ug/l  | 5.0 | 0.78 |
| P-Chloro-M-Cresol                                                                    | ND     |           | ug/l  | 2.0 | 0.54 |
| 2-Chlorophenol                                                                       | ND     |           | ug/l  | 2.0 | 0.58 |
| 2,4-Dichlorophenol                                                                   | ND     |           | ug/l  | 5.0 | 0.56 |
| 2,4-Dimethylphenol                                                                   | ND     |           | ug/l  | 5.0 | 0.58 |
| 2-Nitrophenol                                                                        | ND     |           | ug/l  | 10  | 1.0  |
| 4-Nitrophenol                                                                        | ND     |           | ug/l  | 10  | 1.1  |
| 2,4-Dinitrophenol                                                                    | ND     |           | ug/l  | 20  | 1.4  |
| 4,6-Dinitro-o-cresol                                                                 | ND     |           | ug/l  | 10  | 1.4  |
| Phenol                                                                               | ND     |           | ug/l  | 5.0 | 0.27 |
| 2-Methylphenol                                                                       | ND     |           | ug/l  | 5.0 | 0.70 |
| 3-Methylphenol/4-Methylphenol                                                        | ND     |           | ug/l  | 5.0 | 0.72 |
| 2,4,5-Trichlorophenol                                                                | ND     |           | ug/l  | 5.0 | 0.75 |
| Benzoic Acid                                                                         | ND     |           | ug/l  | 50  | 1.0  |
| Benzyl Alcohol                                                                       | ND     |           | ug/l  | 2.0 | 0.68 |
| Carbazole                                                                            | ND     |           | ug/l  | 2.0 | 0.37 |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 43        |           | 21-120                 |
| Phenol-d6            | 26        |           | 10-120                 |
| Nitrobenzene-d5      | 54        |           | 23-120                 |
| 2-Fluorobiphenyl     | 64        |           | 15-120                 |
| 2,4,6-Tribromophenol | 66        |           | 10-120                 |
| 4-Terphenyl-d14      | 84        |           | 41-149                 |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/07/14 13:46  
 Analyst: MW

Extraction Method: EPA 3510C  
 Extraction Date: 03/06/14 09:58

| Parameter                                                                                | Result | Qualifier | Units | RL   | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG673969-1 |        |           |       |      |      |
| Acenaphthene                                                                             | ND     |           | ug/l  | 0.20 | 0.06 |
| 2-Chloronaphthalene                                                                      | ND     |           | ug/l  | 0.20 | 0.07 |
| Fluoranthene                                                                             | ND     |           | ug/l  | 0.20 | 0.04 |
| Hexachlorobutadiene                                                                      | ND     |           | ug/l  | 0.50 | 0.07 |
| Naphthalene                                                                              | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(a)anthracene                                                                       | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(a)pyrene                                                                           | ND     |           | ug/l  | 0.20 | 0.07 |
| Benzo(b)fluoranthene                                                                     | ND     |           | ug/l  | 0.20 | 0.07 |
| Benzo(k)fluoranthene                                                                     | ND     |           | ug/l  | 0.20 | 0.07 |
| Chrysene                                                                                 | ND     |           | ug/l  | 0.20 | 0.05 |
| Acenaphthylene                                                                           | ND     |           | ug/l  | 0.20 | 0.05 |
| Anthracene                                                                               | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(ghi)perylene                                                                       | ND     |           | ug/l  | 0.20 | 0.07 |
| Fluorene                                                                                 | ND     |           | ug/l  | 0.20 | 0.06 |
| Phenanthrene                                                                             | ND     |           | ug/l  | 0.20 | 0.06 |
| Dibenzo(a,h)anthracene                                                                   | ND     |           | ug/l  | 0.20 | 0.07 |
| Indeno(1,2,3-cd)Pyrene                                                                   | ND     |           | ug/l  | 0.20 | 0.08 |
| Pyrene                                                                                   | ND     |           | ug/l  | 0.20 | 0.06 |
| 2-Methylnaphthalene                                                                      | ND     |           | ug/l  | 0.20 | 0.06 |
| Pentachlorophenol                                                                        | ND     |           | ug/l  | 0.80 | 0.19 |
| Hexachlorobenzene                                                                        | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachloroethane                                                                         | ND     |           | ug/l  | 0.80 | 0.07 |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/07/14 13:46  
 Analyst: MW

Extraction Method: EPA 3510C  
 Extraction Date: 03/06/14 09:58

| Parameter                                                                                | Result | Qualifier | Units | RL | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG673969-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 49        |           | 21-120                 |
| Phenol-d6            | 34        |           | 10-120                 |
| Nitrobenzene-d5      | 81        |           | 23-120                 |
| 2-Fluorobiphenyl     | 58        |           | 15-120                 |
| 2,4,6-Tribromophenol | 80        |           | 10-120                 |
| 4-Terphenyl-d14      | 102       |           | 41-149                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG673968-2 WG673968-3 |                  |      |                   |      |                     |     |      |               |
| 1,2,4-Trichlorobenzene                                                                                 | 61               |      | 73                |      | 39-98               | 18  |      | 30            |
| Bis(2-chloroethyl)ether                                                                                | 53               |      | 62                |      | 40-140              | 16  |      | 30            |
| 1,2-Dichlorobenzene                                                                                    | 56               |      | 65                |      | 40-140              | 15  |      | 30            |
| 1,3-Dichlorobenzene                                                                                    | 54               |      | 67                |      | 40-140              | 21  |      | 30            |
| 1,4-Dichlorobenzene                                                                                    | 54               |      | 67                |      | 36-97               | 21  |      | 30            |
| 3,3'-Dichlorobenzidine                                                                                 | 49               |      | 58                |      | 40-140              | 17  |      | 30            |
| 2,4-Dinitrotoluene                                                                                     | 86               |      | 93                |      | 24-96               | 8   |      | 30            |
| 2,6-Dinitrotoluene                                                                                     | 85               |      | 102               |      | 40-140              | 18  |      | 30            |
| 4-Chlorophenyl phenyl ether                                                                            | 80               |      | 89                |      | 40-140              | 11  |      | 30            |
| 4-Bromophenyl phenyl ether                                                                             | 86               |      | 95                |      | 40-140              | 10  |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                            | 46               |      | 54                |      | 40-140              | 16  |      | 30            |
| Bis(2-chloroethoxy)methane                                                                             | 61               |      | 65                |      | 40-140              | 6   |      | 30            |
| Hexachlorocyclopentadiene                                                                              | 39               | Q    | 47                |      | 40-140              | 19  |      | 30            |
| Isophorone                                                                                             | 62               |      | 67                |      | 40-140              | 8   |      | 30            |
| Nitrobenzene                                                                                           | 52               |      | 64                |      | 40-140              | 21  |      | 30            |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                                         | 86               |      | 95                |      | 40-140              | 10  |      | 30            |
| n-Nitrosodi-n-propylamine                                                                              | 58               |      | 67                |      | 29-132              | 14  |      | 30            |
| Bis(2-Ethylhexyl)phthalate                                                                             | 77               |      | 86                |      | 40-140              | 11  |      | 30            |
| Butyl benzyl phthalate                                                                                 | 80               |      | 90                |      | 40-140              | 12  |      | 30            |
| Di-n-butylphthalate                                                                                    | 79               |      | 87                |      | 40-140              | 10  |      | 30            |
| Di-n-octylphthalate                                                                                    | 75               |      | 84                |      | 40-140              | 11  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG673968-2 WG673968-3 |                  |      |                   |      |                     |     |      |               |
| Diethyl phthalate                                                                                      | 75               |      | 84                |      | 40-140              | 11  |      | 30            |
| Dimethyl phthalate                                                                                     | 76               |      | 85                |      | 40-140              | 11  |      | 30            |
| Biphenyl                                                                                               | 71               |      | 80                |      |                     | 12  |      | 30            |
| 4-Chloroaniline                                                                                        | 23               | Q    | 34                | Q    | 40-140              | 39  | Q    | 30            |
| 2-Nitroaniline                                                                                         | 88               |      | 94                |      | 52-143              | 7   |      | 30            |
| 3-Nitroaniline                                                                                         | 44               |      | 51                |      | 25-145              | 15  |      | 30            |
| 4-Nitroaniline                                                                                         | 85               |      | 91                |      | 51-143              | 7   |      | 30            |
| Dibenzofuran                                                                                           | 76               |      | 83                |      | 40-140              | 9   |      | 30            |
| 1,2,4,5-Tetrachlorobenzene                                                                             | 68               |      | 78                |      | 2-134               | 14  |      | 30            |
| Acetophenone                                                                                           | 65               |      | 70                |      | 39-129              | 7   |      | 30            |
| 2,4,6-Trichlorophenol                                                                                  | 83               |      | 88                |      | 30-130              | 6   |      | 30            |
| P-Chloro-M-Cresol                                                                                      | 75               |      | 81                |      | 23-97               | 8   |      | 30            |
| 2-Chlorophenol                                                                                         | 60               |      | 71                |      | 27-123              | 17  |      | 30            |
| 2,4-Dichlorophenol                                                                                     | 72               |      | 78                |      | 30-130              | 8   |      | 30            |
| 2,4-Dimethylphenol                                                                                     | 58               |      | 66                |      | 30-130              | 13  |      | 30            |
| 2-Nitrophenol                                                                                          | 65               |      | 71                |      | 30-130              | 9   |      | 30            |
| 4-Nitrophenol                                                                                          | 50               |      | 55                |      | 10-80               | 10  |      | 30            |
| 2,4-Dinitrophenol                                                                                      | 77               |      | 86                |      | 20-130              | 11  |      | 30            |
| 4,6-Dinitro-o-cresol                                                                                   | 86               |      | 94                |      | 20-164              | 9   |      | 30            |
| Phenol                                                                                                 | 29               |      | 34                |      | 12-110              | 16  |      | 30            |
| 2-Methylphenol                                                                                         | 61               |      | 63                |      | 30-130              | 3   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG673968-2 WG673968-3 |                  |      |                   |      |                     |     |      |               |
| 3-Methylphenol/4-Methylphenol                                                                          | 56               |      | 66                |      | 30-130              | 16  |      | 30            |
| 2,4,5-Trichlorophenol                                                                                  | 82               |      | 89                |      | 30-130              | 8   |      | 30            |
| Benzoic Acid                                                                                           | 25               |      | 23                |      |                     | 8   |      | 30            |
| Benzyl Alcohol                                                                                         | 49               |      | 58                |      |                     | 17  |      | 30            |
| Carbazole                                                                                              | 89               |      | 97                |      | 55-144              | 9   |      | 30            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 41               |      | 49                |      | 21-120                 |
| Phenol-d6            | 29               |      | 34                |      | 10-120                 |
| Nitrobenzene-d5      | 56               |      | 62                |      | 23-120                 |
| 2-Fluorobiphenyl     | 70               |      | 75                |      | 15-120                 |
| 2,4,6-Tribromophenol | 88               |      | 99                |      | 10-120                 |
| 4-Terphenyl-d14      | 88               |      | 99                |      | 41-149                 |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG673969-2 WG673969-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                               | 74               |      | 67                |      | 37-111              | 10  |      | 40            |
| 2-Chloronaphthalene                                                                                        | 64               |      | 63                |      | 40-140              | 2   |      | 40            |
| Fluoranthene                                                                                               | 80               |      | 78                |      | 40-140              | 3   |      | 40            |
| Hexachlorobutadiene                                                                                        | 58               |      | 58                |      | 40-140              | 0   |      | 40            |
| Naphthalene                                                                                                | 64               |      | 62                |      | 40-140              | 3   |      | 40            |
| Benzo(a)anthracene                                                                                         | 82               |      | 78                |      | 40-140              | 5   |      | 40            |
| Benzo(a)pyrene                                                                                             | 86               |      | 81                |      | 40-140              | 6   |      | 40            |
| Benzo(b)fluoranthene                                                                                       | 82               |      | 77                |      | 40-140              | 6   |      | 40            |
| Benzo(k)fluoranthene                                                                                       | 93               |      | 85                |      | 40-140              | 9   |      | 40            |
| Chrysene                                                                                                   | 87               |      | 82                |      | 40-140              | 6   |      | 40            |
| Acenaphthylene                                                                                             | 74               |      | 72                |      | 40-140              | 3   |      | 40            |
| Anthracene                                                                                                 | 80               |      | 73                |      | 40-140              | 9   |      | 40            |
| Benzo(ghi)perylene                                                                                         | 83               |      | 78                |      | 40-140              | 6   |      | 40            |
| Fluorene                                                                                                   | 78               |      | 73                |      | 40-140              | 7   |      | 40            |
| Phenanthrene                                                                                               | 63               |      | 61                |      | 40-140              | 3   |      | 40            |
| Dibenzo(a,h)anthracene                                                                                     | 87               |      | 82                |      | 40-140              | 6   |      | 40            |
| Indeno(1,2,3-cd)Pyrene                                                                                     | 85               |      | 80                |      | 40-140              | 6   |      | 40            |
| Pyrene                                                                                                     | 78               |      | 76                |      | 26-127              | 3   |      | 40            |
| 2-Methylnaphthalene                                                                                        | 67               |      | 65                |      | 40-140              | 3   |      | 40            |
| Pentachlorophenol                                                                                          | 94               |      | 86                |      | 9-103               | 9   |      | 40            |
| Hexachlorobenzene                                                                                          | 77               |      | 68                |      | 40-140              | 12  |      | 40            |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG673969-2 WG673969-3 |                  |      |                   |      |                     |     |      |               |
| Hexachloroethane                                                                                           | 68               |      | 68                |      | 40-140              | 0   |      | 40            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 51               |      | 51                |      | 21-120                 |
| Phenol-d6            | 38               |      | 36                |      | 10-120                 |
| Nitrobenzene-d5      | 71               |      | 70                |      | 23-120                 |
| 2-Fluorobiphenyl     | 64               |      | 67                |      | 15-120                 |
| 2,4,6-Tribromophenol | 89               |      | 84                |      | 10-120                 |
| 4-Terphenyl-d14      | 90               |      | 88                |      | 41-149                 |

# PCBS

**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

**Lab ID:** L1404571-01  
**Client ID:** TMW4  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/06/14 18:27  
**Analyst:** JW

**Date Collected:** 03/04/14 13:45  
**Date Received:** 03/05/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/06/14 08:22  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 03/06/14  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.055 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.053 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.031 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.060 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.051 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/l  | 0.083 | 0.029 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/l  | 0.083 | 0.038 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | A      |
| Decachlorobiphenyl           | 87         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | B      |
| Decachlorobiphenyl           | 71         |           | 30-150              | B      |

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A  
 Analytical Date: 03/06/14 18:39  
 Analyst: JW

Extraction Method: EPA 3510C  
 Extraction Date: 03/06/14 08:22  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 03/06/14  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 03/06/14

| Parameter                                                                             | Result | Qualifier | Units | RL    | MDL   | Column |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG673924-1 |        |           |       |       |       |        |
| Aroclor 1016                                                                          | ND     |           | ug/l  | 0.083 | 0.055 | A      |
| Aroclor 1221                                                                          | ND     |           | ug/l  | 0.083 | 0.053 | A      |
| Aroclor 1232                                                                          | ND     |           | ug/l  | 0.083 | 0.031 | A      |
| Aroclor 1242                                                                          | ND     |           | ug/l  | 0.083 | 0.060 | A      |
| Aroclor 1248                                                                          | ND     |           | ug/l  | 0.083 | 0.051 | A      |
| Aroclor 1254                                                                          | ND     |           | ug/l  | 0.083 | 0.034 | A      |
| Aroclor 1260                                                                          | ND     |           | ug/l  | 0.083 | 0.032 | A      |
| Aroclor 1262                                                                          | ND     |           | ug/l  | 0.083 | 0.029 | A      |
| Aroclor 1268                                                                          | ND     |           | ug/l  | 0.083 | 0.038 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 87        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 90        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 88        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 79        |           | 30-150                 | B      |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG673924-2 WG673924-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                            | 90               |      | 90                |      | 40-140              | 0   |      | 50            | A      |
| Aroclor 1260                                                                                            | 87               |      | 86                |      | 40-140              | 2   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85               |      | 84                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 92               |      | 86                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 90               |      | 89                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 80               |      | 76                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

**Lab ID:** L1404571-01  
**Client ID:** TMW4  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/07/14 09:02  
**Analyst:** SS

**Date Collected:** 03/04/14 13:45  
**Date Received:** 03/05/14  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/06/14 08:26  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 03/06/14

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/l  | 0.020 | 0.005 | 1               | A      |
| Lindane                                           | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Aldrin                                            | ND     |           | ug/l  | 0.020 | 0.002 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               | A      |
| Endrin                                            | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/l  | 0.040 | 0.004 | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/l  | 0.020 | 0.003 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/l  | 0.040 | 0.005 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/l  | 0.200 | 0.007 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/l  | 0.200 | 0.063 | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/l  | 0.020 | 0.007 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/l  | 0.020 | 0.006 | 1               | A      |
| Chlordane                                         | ND     |           | ug/l  | 0.200 | 0.046 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 60         |           | 30-150              | A      |
| Decachlorobiphenyl           | 61         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 57         |           | 30-150              | B      |
| Decachlorobiphenyl           | 91         |           | 30-150              | B      |



Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 03/07/14 08:49  
 Analyst: SS

Extraction Method: EPA 3510C  
 Extraction Date: 03/06/14 08:26  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 03/06/14

| Parameter                                                                             | Result | Qualifier | Units | RL    | MDL   | Column |
|---------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG673926-1 |        |           |       |       |       |        |
| Delta-BHC                                                                             | ND     |           | ug/l  | 0.020 | 0.005 | A      |
| Lindane                                                                               | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Alpha-BHC                                                                             | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Beta-BHC                                                                              | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Heptachlor                                                                            | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Aldrin                                                                                | ND     |           | ug/l  | 0.020 | 0.002 | A      |
| Heptachlor epoxide                                                                    | ND     |           | ug/l  | 0.020 | 0.004 | A      |
| Endrin                                                                                | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endrin ketone                                                                         | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Dieldrin                                                                              | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDE                                                                              | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| 4,4'-DDD                                                                              | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| 4,4'-DDT                                                                              | ND     |           | ug/l  | 0.040 | 0.004 | A      |
| Endosulfan I                                                                          | ND     |           | ug/l  | 0.020 | 0.003 | A      |
| Endosulfan II                                                                         | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Endosulfan sulfate                                                                    | ND     |           | ug/l  | 0.040 | 0.005 | A      |
| Methoxychlor                                                                          | ND     |           | ug/l  | 0.200 | 0.007 | A      |
| Toxaphene                                                                             | ND     |           | ug/l  | 0.200 | 0.063 | A      |
| cis-Chlordane                                                                         | ND     |           | ug/l  | 0.020 | 0.007 | A      |
| trans-Chlordane                                                                       | ND     |           | ug/l  | 0.020 | 0.006 | A      |
| Chlordane                                                                             | ND     |           | ug/l  | 0.200 | 0.046 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>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 | 61        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 89        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG673926-2 WG673926-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                               | 95               |      | 68                |      | 30-150              | 32  | Q    | 20            | A      |
| Lindane                                                                                                 | 102              |      | 59                |      | 30-150              | 54  | Q    | 20            | A      |
| Alpha-BHC                                                                                               | 104              |      | 75                |      | 30-150              | 32  | Q    | 20            | A      |
| Beta-BHC                                                                                                | 97               |      | 78                |      | 30-150              | 21  | Q    | 20            | A      |
| Heptachlor                                                                                              | 108              |      | 78                |      | 30-150              | 32  | Q    | 20            | A      |
| Aldrin                                                                                                  | 108              |      | 75                |      | 30-150              | 36  | Q    | 20            | A      |
| Heptachlor epoxide                                                                                      | 107              |      | 76                |      | 30-150              | 34  | Q    | 20            | A      |
| Endrin                                                                                                  | 118              |      | 85                |      | 30-150              | 33  | Q    | 20            | A      |
| Endrin ketone                                                                                           | 107              |      | 79                |      | 30-150              | 30  | Q    | 20            | A      |
| Dieldrin                                                                                                | 114              |      | 80                |      | 30-150              | 35  | Q    | 20            | A      |
| 4,4'-DDE                                                                                                | 109              |      | 77                |      | 30-150              | 35  | Q    | 20            | A      |
| 4,4'-DDD                                                                                                | 106              |      | 76                |      | 30-150              | 33  | Q    | 20            | A      |
| 4,4'-DDT                                                                                                | 121              |      | 87                |      | 30-150              | 32  | Q    | 20            | A      |
| Endosulfan I                                                                                            | 108              |      | 79                |      | 30-150              | 31  | Q    | 20            | A      |
| Endosulfan II                                                                                           | 112              |      | 81                |      | 30-150              | 33  | Q    | 20            | A      |
| Endosulfan sulfate                                                                                      | 109              |      | 81                |      | 30-150              | 29  | Q    | 20            | A      |
| Methoxychlor                                                                                            | 112              |      | 83                |      | 30-150              | 30  | Q    | 20            | A      |
| cis-Chlordane                                                                                           | 109              |      | 76                |      | 30-150              | 36  | Q    | 20            | A      |
| trans-Chlordane                                                                                         | 105              |      | 75                |      | 30-150              | 34  | Q    | 20            | A      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG673926-2 WG673926-3

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 90               |      | 65                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 70               |      | 41                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 75               |      | 63                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 106              |      | 73                |      | 30-150                 | B      |

## METALS

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

## SAMPLE RESULTS

Lab ID: L1404571-01

Date Collected: 03/04/14 13:45

Client ID: TMW4

Date Received: 03/05/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Water

| Parameter                          | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Westborough Lab     |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Total                    | 8.67    |           | mg/l  | 2.00    | 0.400   | 200             | 03/06/14 11:03 | 03/08/14 02:26 | EPA 3005A   | 1,6020A           | BM      |
| Antimony, Total                    | 0.00526 | J         | mg/l  | 0.04000 | 0.00200 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Arsenic, Total                     | 0.02462 |           | mg/l  | 0.01000 | 0.00400 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Barium, Total                      | 0.1638  |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Beryllium, Total                   | ND      |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Cadmium, Total                     | ND      |           | mg/l  | 0.00400 | 0.00100 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Calcium, Total                     | 293.    |           | mg/l  | 2.00    | 0.640   | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Chromium, Total                    | 0.02616 |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Cobalt, Total                      | 0.00725 | J         | mg/l  | 0.01000 | 0.00200 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Copper, Total                      | 0.05006 |           | mg/l  | 0.02000 | 0.00200 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Iron, Total                        | 12.3    |           | mg/l  | 1.00    | 0.260   | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Lead, Total                        | 0.4270  |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Magnesium, Total                   | 708.    |           | mg/l  | 1.40    | 0.460   | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Manganese, Total                   | 0.2756  |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Mercury, Total                     | 0.00084 |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/06/14 08:24 | 03/06/14 12:25 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Total                      | 0.03228 |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Potassium, Total                   | 209.    |           | mg/l  | 2.00    | 0.540   | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Selenium, Total                    | 0.0431  | J         | mg/l  | 0.100   | 0.00600 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Silver, Total                      | ND      |           | mg/l  | 0.00800 | 0.00200 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Sodium, Total                      | 6010    |           | mg/l  | 20.0    | 3.00    | 200             | 03/06/14 11:03 | 03/08/14 02:26 | EPA 3005A   | 1,6020A           | BM      |
| Thallium, Total                    | 0.00121 | J         | mg/l  | 0.01000 | 0.00060 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Vanadium, Total                    | 0.02694 | J         | mg/l  | 0.1000  | 0.00200 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Zinc, Total                        | 0.2562  |           | mg/l  | 0.2000  | 0.02400 | 20              | 03/06/14 11:03 | 03/08/14 02:07 | EPA 3005A   | 1,6020A           | BM      |
| Dissolved Metals - Westborough Lab |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Dissolved                | 0.0688  | J         | mg/l  | 0.200   | 0.0400  | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Antimony, Dissolved                | 0.00622 | J         | mg/l  | 0.02000 | 0.00200 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Arsenic, Dissolved                 | 0.01613 |           | mg/l  | 0.01000 | 0.00400 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Barium, Dissolved                  | 0.07552 |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Beryllium, Dissolved               | ND      |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Cadmium, Dissolved                 | ND      |           | mg/l  | 0.00400 | 0.00100 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |



Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

## SAMPLE RESULTS

Lab ID: L1404571-01

Client ID: TMW4

Sample Location: BROOKLYN, NY

Matrix: Water

Date Collected: 03/04/14 13:45

Date Received: 03/05/14

Field Prep: Not Specified

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Calcium, Dissolved   | 264.    |           | mg/l  | 2.00    | 0.640   | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Chromium, Dissolved  | ND      |           | mg/l  | 0.02000 | 0.00400 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Cobalt, Dissolved    | ND      |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Copper, Dissolved    | 0.00535 | J         | mg/l  | 0.02000 | 0.00200 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Iron, Dissolved      | 1.30    |           | mg/l  | 1.00    | 0.260   | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Lead, Dissolved      | 0.00586 | J         | mg/l  | 0.02000 | 0.00400 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Magnesium, Dissolved | 623.    |           | mg/l  | 1.40    | 0.460   | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Manganese, Dissolved | 0.1213  |           | mg/l  | 0.01000 | 0.00200 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.00020 | 0.00006 | 1               | 03/06/14 10:26 | 03/06/14 13:06 | EPA 7470A   | 1,7470A           | AK      |
| Nickel, Dissolved    | 0.00805 | J         | mg/l  | 0.01000 | 0.00200 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Potassium, Dissolved | 185.    |           | mg/l  | 2.00    | 0.540   | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Selenium, Dissolved  | 0.0444  | J         | mg/l  | 0.100   | 0.00600 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Silver, Dissolved    | ND      |           | mg/l  | 0.00800 | 0.00200 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Sodium, Dissolved    | 5130    |           | mg/l  | 40.0    | 3.00    | 200             | 03/10/14 13:36 | 03/11/14 17:43 | NA          | 1,6020A           | BM      |
| Thallium, Dissolved  | ND      |           | mg/l  | 0.01000 | 0.00060 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Vanadium, Dissolved  | 0.00575 | J         | mg/l  | 0.1000  | 0.00200 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |
| Zinc, Dissolved      | 0.02730 | J         | mg/l  | 0.2000  | 0.02400 | 20              | 03/10/14 13:36 | 03/11/14 17:59 | NA          | 1,6020A           | BM      |



Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

## Method Blank Analysis Batch Quality Control

| Parameter                                                          | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01 Batch: WG673906-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Total                                                     | ND     |           | mg/l  | 0.00020 | 0.00006 | 1                  | 03/06/14 08:24   | 03/06/14 12:21   | 1,7470A              | AK      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                              | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG673958-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Dissolved                                                     | ND     |           | mg/l  | 0.00020 | 0.00006 | 1                  | 03/06/14 10:26   | 03/06/14 13:03   | 1,7470A              | AK      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                          | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01 Batch: WG673985-1 |         |           |       |         |         |                    |                  |                  |                      |         |
| Aluminum, Total                                                    | ND      |           | mg/l  | 0.0100  | 0.00200 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Antimony, Total                                                    | 0.00023 | J         | mg/l  | 0.00200 | 0.00010 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Arsenic, Total                                                     | ND      |           | mg/l  | 0.00050 | 0.00020 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Barium, Total                                                      | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Beryllium, Total                                                   | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Cadmium, Total                                                     | ND      |           | mg/l  | 0.00020 | 0.00005 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Calcium, Total                                                     | ND      |           | mg/l  | 0.100   | 0.0320  | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Chromium, Total                                                    | ND      |           | mg/l  | 0.00100 | 0.00020 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Cobalt, Total                                                      | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Copper, Total                                                      | ND      |           | mg/l  | 0.00100 | 0.00010 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Iron, Total                                                        | ND      |           | mg/l  | 0.0500  | 0.0130  | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Lead, Total                                                        | ND      |           | mg/l  | 0.00100 | 0.00020 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Magnesium, Total                                                   | ND      |           | mg/l  | 0.0700  | 0.0230  | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Manganese, Total                                                   | 0.00042 | J         | mg/l  | 0.00050 | 0.00010 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Nickel, Total                                                      | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |
| Potassium, Total                                                   | ND      |           | mg/l  | 0.100   | 0.0270  | 1                  | 03/06/14 11:03   | 03/08/14 01:36   | 1,6020A              | BM      |



Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

## Method Blank Analysis Batch Quality Control

|                 |         |   |      |         |         |   |                |                |         |    |
|-----------------|---------|---|------|---------|---------|---|----------------|----------------|---------|----|
| Selenium, Total | ND      |   | mg/l | 0.00500 | 0.00030 | 1 | 03/06/14 11:03 | 03/08/14 01:36 | 1,6020A | BM |
| Silver, Total   | ND      |   | mg/l | 0.00040 | 0.00010 | 1 | 03/06/14 11:03 | 03/08/14 01:36 | 1,6020A | BM |
| Sodium, Total   | 0.0722  | J | mg/l | 0.100   | 0.0150  | 1 | 03/06/14 11:03 | 03/08/14 01:36 | 1,6020A | BM |
| Thallium, Total | ND      |   | mg/l | 0.00050 | 0.00003 | 1 | 03/06/14 11:03 | 03/08/14 01:36 | 1,6020A | BM |
| Vanadium, Total | ND      |   | mg/l | 0.00500 | 0.00010 | 1 | 03/06/14 11:03 | 03/08/14 01:36 | 1,6020A | BM |
| Zinc, Total     | 0.00254 | J | mg/l | 0.01000 | 0.00120 | 1 | 03/06/14 11:03 | 03/08/14 01:36 | 1,6020A | BM |

### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                              | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|------------------------------------------------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------------|---------|
| Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG674526-1 |         |           |       |         |         |                 |                |                |                   |         |
| Aluminum, Dissolved                                                    | 0.00409 | J         | mg/l  | 0.0100  | 0.00200 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Antimony, Dissolved                                                    | 0.00049 | J         | mg/l  | 0.00100 | 0.00010 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Arsenic, Dissolved                                                     | ND      |           | mg/l  | 0.00050 | 0.00020 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Barium, Dissolved                                                      | 0.00010 | J         | mg/l  | 0.00050 | 0.00010 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Beryllium, Dissolved                                                   | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Cadmium, Dissolved                                                     | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Calcium, Dissolved                                                     | ND      |           | mg/l  | 0.100   | 0.0320  | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Chromium, Dissolved                                                    | 0.00024 | J         | mg/l  | 0.00100 | 0.00020 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Cobalt, Dissolved                                                      | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Copper, Dissolved                                                      | 0.00036 | J         | mg/l  | 0.00100 | 0.00010 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Iron, Dissolved                                                        | ND      |           | mg/l  | 0.0500  | 0.0130  | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Lead, Dissolved                                                        | ND      |           | mg/l  | 0.00100 | 0.00020 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Magnesium, Dissolved                                                   | ND      |           | mg/l  | 0.0700  | 0.0230  | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Manganese, Dissolved                                                   | 0.00034 | J         | mg/l  | 0.00050 | 0.00010 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Nickel, Dissolved                                                      | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Potassium, Dissolved                                                   | ND      |           | mg/l  | 0.100   | 0.0270  | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Selenium, Dissolved                                                    | ND      |           | mg/l  | 0.00500 | 0.00030 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Silver, Dissolved                                                      | ND      |           | mg/l  | 0.00040 | 0.00010 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Sodium, Dissolved                                                      | 0.141   | J         | mg/l  | 0.200   | 0.0150  | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Thallium, Dissolved                                                    | ND      |           | mg/l  | 0.00050 | 0.00003 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Vanadium, Dissolved                                                    | ND      |           | mg/l  | 0.00500 | 0.00010 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |
| Zinc, Dissolved                                                        | 0.00140 | J         | mg/l  | 0.01000 | 0.00120 | 1               | 03/10/14 13:36 | 03/11/14 17:30 | 1,6020A           | BM      |



**Project Name:** 470 KENT AVE

**Lab Number:** L1404571

**Project Number:** 470K

**Report Date:** 03/12/14

## Method Blank Analysis Batch Quality Control

### Prep Information

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Digestion Method: NA

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG673906-2     |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                | 94               |      | -                 |      | 80-120              | -   |      |            |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG673958-2 |                  |      |                   |      |                     |     |      |            |
| Mercury, Dissolved                                                            | 96               |      | -                 |      | 70-130              | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                 | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG673985-2 |                  |                   |                     |     |            |
| Aluminum, Total                                                           | 112              | -                 | 80-120              | -   |            |
| Antimony, Total                                                           | 94               | -                 | 80-120              | -   |            |
| Arsenic, Total                                                            | 101              | -                 | 80-120              | -   |            |
| Barium, Total                                                             | 104              | -                 | 80-120              | -   |            |
| Beryllium, Total                                                          | 100              | -                 | 80-120              | -   |            |
| Cadmium, Total                                                            | 104              | -                 | 80-120              | -   |            |
| Calcium, Total                                                            | 106              | -                 | 80-120              | -   |            |
| Chromium, Total                                                           | 110              | -                 | 80-120              | -   |            |
| Cobalt, Total                                                             | 102              | -                 | 80-120              | -   |            |
| Copper, Total                                                             | 108              | -                 | 80-120              | -   |            |
| Iron, Total                                                               | 111              | -                 | 80-120              | -   |            |
| Lead, Total                                                               | 104              | -                 | 80-120              | -   |            |
| Magnesium, Total                                                          | 114              | -                 | 80-120              | -   |            |
| Manganese, Total                                                          | 101              | -                 | 80-120              | -   |            |
| Nickel, Total                                                             | 106              | -                 | 80-120              | -   |            |
| Potassium, Total                                                          | 109              | -                 | 80-120              | -   |            |
| Selenium, Total                                                           | 104              | -                 | 80-120              | -   |            |
| Silver, Total                                                             | 104              | -                 | 80-120              | -   |            |
| Sodium, Total                                                             | 116              | -                 | 80-120              | -   |            |
| Thallium, Total                                                           | 100              | -                 | 80-120              | -   |            |
| Vanadium, Total                                                           | 106              | -                 | 80-120              | -   |            |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 470 KENT AVE**Project Number:** 470K**Lab Number:** L1404571**Report Date:** 03/12/14

| Parameter                                                                 | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG673985-2 |                  |                   |                     |     |            |
| Zinc, Total                                                               | 107              | -                 | 80-120              | -   |            |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                     | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG674526-2 |                  |                   |                     |     |            |
| Aluminum, Dissolved                                                           | 106              | -                 | 80-120              | -   |            |
| Antimony, Dissolved                                                           | 85               | -                 | 80-120              | -   |            |
| Arsenic, Dissolved                                                            | 93               | -                 | 80-120              | -   |            |
| Barium, Dissolved                                                             | 99               | -                 | 80-120              | -   |            |
| Beryllium, Dissolved                                                          | 102              | -                 | 80-120              | -   |            |
| Cadmium, Dissolved                                                            | 92               | -                 | 80-120              | -   |            |
| Calcium, Dissolved                                                            | 96               | -                 | 80-120              | -   |            |
| Chromium, Dissolved                                                           | 94               | -                 | 80-120              | -   |            |
| Cobalt, Dissolved                                                             | 94               | -                 | 80-120              | -   |            |
| Copper, Dissolved                                                             | 99               | -                 | 80-120              | -   |            |
| Iron, Dissolved                                                               | 100              | -                 | 80-120              | -   |            |
| Lead, Dissolved                                                               | 102              | -                 | 80-120              | -   |            |
| Magnesium, Dissolved                                                          | 101              | -                 | 80-120              | -   |            |
| Manganese, Dissolved                                                          | 92               | -                 | 80-120              | -   |            |
| Nickel, Dissolved                                                             | 98               | -                 | 80-120              | -   |            |
| Potassium, Dissolved                                                          | 98               | -                 | 80-120              | -   |            |
| Selenium, Dissolved                                                           | 95               | -                 | 80-120              | -   |            |
| Silver, Dissolved                                                             | 93               | -                 | 80-120              | -   |            |
| Sodium, Dissolved                                                             | 102              | -                 | 80-120              | -   |            |
| Thallium, Dissolved                                                           | 99               | -                 | 80-120              | -   |            |
| Vanadium, Dissolved                                                           | 102              | -                 | 80-120              | -   |            |

**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** 470 KENT AVE**Project Number:** 470K**Lab Number:** L1404571**Report Date:** 03/12/14

| Parameter                                                                     | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG674526-2 |                  |                   |                     |     |            |
| Zinc, Dissolved                                                               | 99               | -                 | 80-120              | -   |            |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                                                  | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673906-4 QC Sample: L1404571-01 Client ID: TMW4     |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Total                                                                                                             | 0.00084       | 0.005    | 0.00587  | 100          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673958-4 QC Sample: L1404571-01 Client ID: TMW4 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, Dissolved                                                                                                         | ND            | 0.005    | 0.00487  | 97           |      | -         | -             |      | 75-125          | -   |      | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                                              | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673985-4 QC Sample: L1404571-01 Client ID: TMW4 |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total                                                                                                        | 8.67          | 2        | 11.5     | 142          | Q         | -             | 75-125          | -   | 20         |
| Antimony, Total                                                                                                        | 0.00526J      | 0.5      | 0.4572   | 91           |           | -             | 75-125          | -   | 20         |
| Arsenic, Total                                                                                                         | 0.02462       | 0.12     | 0.1504   | 105          |           | -             | 75-125          | -   | 20         |
| Barium, Total                                                                                                          | 0.1638        | 2        | 2.170    | 100          |           | -             | 75-125          | -   | 20         |
| Beryllium, Total                                                                                                       | ND            | 0.05     | 0.05096  | 102          |           | -             | 75-125          | -   | 20         |
| Cadmium, Total                                                                                                         | ND            | 0.051    | 0.04908  | 96           |           | -             | 75-125          | -   | 20         |
| Calcium, Total                                                                                                         | 293.          | 10       | 272      | 0            | Q         | -             | 75-125          | -   | 20         |
| Chromium, Total                                                                                                        | 0.02616       | 0.2      | 0.2264   | 100          |           | -             | 75-125          | -   | 20         |
| Cobalt, Total                                                                                                          | 0.00725J      | 0.5      | 0.4628   | 92           |           | -             | 75-125          | -   | 20         |
| Copper, Total                                                                                                          | 0.05006       | 0.25     | 0.2738   | 89           |           | -             | 75-125          | -   | 20         |
| Iron, Total                                                                                                            | 12.3          | 1        | 12.7     | 40           | Q         | -             | 75-125          | -   | 20         |
| Lead, Total                                                                                                            | 0.4270        | 0.51     | 0.9398   | 100          |           | -             | 75-125          | -   | 20         |
| Magnesium, Total                                                                                                       | 708.          | 10       | 662      | 0            | Q         | -             | 75-125          | -   | 20         |
| Manganese, Total                                                                                                       | 0.2756        | 0.5      | 0.7158   | 88           |           | -             | 75-125          | -   | 20         |
| Nickel, Total                                                                                                          | 0.03228       | 0.5      | 0.4886   | 91           |           | -             | 75-125          | -   | 20         |
| Potassium, Total                                                                                                       | 209.          | 10       | 201      | 0            | Q         | -             | 75-125          | -   | 20         |
| Selenium, Total                                                                                                        | 0.0431J       | 0.12     | 0.117    | 98           |           | -             | 75-125          | -   | 20         |
| Silver, Total                                                                                                          | ND            | 0.05     | 0.04738  | 95           |           | -             | 75-125          | -   | 20         |
| Sodium, Total                                                                                                          | 6010          | 10       | 5800     | 0            | Q         | -             | 75-125          | -   | 20         |
| Thallium, Total                                                                                                        | 0.00121J      | 0.12     | 0.1174   | 98           |           | -             | 75-125          | -   | 20         |
| Vanadium, Total                                                                                                        | 0.02694J      | 0.5      | 0.5400   | 108          |           | -             | 75-125          | -   | 20         |



# **Matrix Spike Analysis** Batch Quality Control

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                                                              | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673985-4 QC Sample: L1404571-01 Client ID: TMW4 |               |          |          |              |           |               |                 |     |            |
| Zinc, Total                                                                                                            | 0.2562        | 0.5      | 0.7090   | 90           | -         | -             | 75-125          | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                                                  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG674526-4 QC Sample: L1404571-01 Client ID: TMW4 |               |          |          |              |           |               |                 |     |            |
| Aluminum, Dissolved                                                                                                        | 0.0688J       | 2        | 2.08     | 104          | -         | -             | 75-125          | -   | 20         |
| Antimony, Dissolved                                                                                                        | 0.00622J      | 0.5      | 0.4084   | 82           | -         | -             | 75-125          | -   | 20         |
| Arsenic, Dissolved                                                                                                         | 0.01613       | 0.12     | 0.1283   | 93           | -         | -             | 75-125          | -   | 20         |
| Barium, Dissolved                                                                                                          | 0.07552       | 2        | 2.072    | 100          | -         | -             | 75-125          | -   | 20         |
| Beryllium, Dissolved                                                                                                       | ND            | 0.05     | 0.04706  | 94           | -         | -             | 75-125          | -   | 20         |
| Cadmium, Dissolved                                                                                                         | ND            | 0.051    | 0.04390  | 86           | -         | -             | 75-125          | -   | 20         |
| Calcium, Dissolved                                                                                                         | 264.          | 10       | 267      | 30           | Q         | -             | 75-125          | -   | 20         |
| Chromium, Dissolved                                                                                                        | ND            | 0.2      | 0.1850   | 92           | -         | -             | 75-125          | -   | 20         |
| Cobalt, Dissolved                                                                                                          | ND            | 0.5      | 0.4428   | 88           | -         | -             | 75-125          | -   | 20         |
| Copper, Dissolved                                                                                                          | 0.00535J      | 0.25     | 0.2290   | 92           | -         | -             | 75-125          | -   | 20         |
| Iron, Dissolved                                                                                                            | 1.30          | 1        | 2.25     | 95           | -         | -             | 75-125          | -   | 20         |
| Lead, Dissolved                                                                                                            | 0.00586J      | 0.51     | 0.5442   | 107          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Dissolved                                                                                                       | 623.          | 10       | 624      | 10           | Q         | -             | 75-125          | -   | 20         |
| Manganese, Dissolved                                                                                                       | 0.1213        | 0.5      | 0.5540   | 86           | -         | -             | 75-125          | -   | 20         |
| Nickel, Dissolved                                                                                                          | 0.00805J      | 0.5      | 0.4546   | 91           | -         | -             | 75-125          | -   | 20         |
| Potassium, Dissolved                                                                                                       | 185.          | 10       | 190      | 50           | Q         | -             | 75-125          | -   | 20         |
| Selenium, Dissolved                                                                                                        | 0.0444J       | 0.12     | 0.138    | 115          | -         | -             | 75-125          | -   | 20         |
| Silver, Dissolved                                                                                                          | ND            | 0.05     | 0.04334  | 87           | -         | -             | 75-125          | -   | 20         |
| Sodium, Dissolved                                                                                                          | 5130          | 10       | 5130     | 0            | Q         | -             | 75-125          | -   | 20         |
| Thallium, Dissolved                                                                                                        | ND            | 0.12     | 0.1220   | 102          | -         | -             | 75-125          | -   | 20         |
| Vanadium, Dissolved                                                                                                        | 0.00575J      | 0.5      | 0.5184   | 104          | -         | -             | 75-125          | -   | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                                                  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG674526-4 QC Sample: L1404571-01 Client ID: TMW4 |               |          |          |              |           |               |                 |     |            |
| Zinc, Dissolved                                                                                                            | 0.02730J      | 0.5      | 0.4706   | 94           | -         | -             | 75-125          | -   | 20         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673906-3 QC Sample: L1404571-01 Client ID: TMW4     |               |                  |       |     |      |            |
| Mercury, Total                                                                                                             | 0.00084       | 0.00092          | mg/l  | 9   |      | 20         |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673958-3 QC Sample: L1404571-01 Client ID: TMW4 |               |                  |       |     |      |            |
| Mercury, Dissolved                                                                                                         | ND            | ND               | mg/l  | NC  |      | 20         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                                                              | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673985-3 QC Sample: L1404571-01 Client ID: TMW4 |               |                  |       |     |            |
| Antimony, Total                                                                                                        | 0.00526J      | 0.00530J         | mg/l  | NC  | 20         |
| Arsenic, Total                                                                                                         | 0.02462       | 0.02316          | mg/l  | 6   | 20         |
| Barium, Total                                                                                                          | 0.1638        | 0.1576           | mg/l  | 4   | 20         |
| Beryllium, Total                                                                                                       | ND            | ND               | mg/l  | NC  | 20         |
| Cadmium, Total                                                                                                         | ND            | ND               | mg/l  | NC  | 20         |
| Calcium, Total                                                                                                         | 293.          | 274              | mg/l  | 7   | 20         |
| Chromium, Total                                                                                                        | 0.02616       | 0.02444          | mg/l  | 7   | 20         |
| Cobalt, Total                                                                                                          | 0.00725J      | 0.00697J         | mg/l  | NC  | 20         |
| Copper, Total                                                                                                          | 0.05006       | 0.04650          | mg/l  | 7   | 20         |
| Iron, Total                                                                                                            | 12.3          | 11.9             | mg/l  | 3   | 20         |
| Lead, Total                                                                                                            | 0.4270        | 0.4212           | mg/l  | 1   | 20         |
| Magnesium, Total                                                                                                       | 708.          | 661              | mg/l  | 7   | 20         |
| Manganese, Total                                                                                                       | 0.2756        | 0.2614           | mg/l  | 5   | 20         |
| Nickel, Total                                                                                                          | 0.03228       | 0.02994          | mg/l  | 8   | 20         |
| Potassium, Total                                                                                                       | 209.          | 198              | mg/l  | 5   | 20         |
| Selenium, Total                                                                                                        | 0.0431J       | 0.0404J          | mg/l  | NC  | 20         |
| Silver, Total                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Thallium, Total                                                                                                        | 0.00121J      | 0.00080J         | mg/l  | NC  | 20         |
| Vanadium, Total                                                                                                        | 0.02694J      | 0.02548J         | mg/l  | NC  | 20         |

# Lab Duplicate Analysis

## Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                                              | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673985-3 QC Sample: L1404571-01 Client ID: TMW4 |               |                  |       |     |            |
| Zinc, Total                                                                                                            | 0.2562        | 0.2438           | mg/l  | 5   | 20         |
| Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG673985-3 QC Sample: L1404571-01 Client ID: TMW4 |               |                  |       |     |            |
| Aluminum, Total                                                                                                        | 8.67          | 8.47             | mg/l  | 2   | 20         |
| Sodium, Total                                                                                                          | 6010          | 5750             | mg/l  | 4   | 20         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVE

**Project Number:** 470K

**Lab Number:** L1404571

**Report Date:** 03/12/14

| Parameter                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG674526-3 QC Sample: L1404571-01 Client ID: TMW4 |               |                  |       |     |            |
| Aluminum, Dissolved                                                                                                        | 0.0688J       | 0.0689J          | mg/l  | NC  | 20         |
| Antimony, Dissolved                                                                                                        | 0.00622J      | 0.00537J         | mg/l  | NC  | 20         |
| Arsenic, Dissolved                                                                                                         | 0.01613       | 0.01715          | mg/l  | 6   | 20         |
| Barium, Dissolved                                                                                                          | 0.07552       | 0.07364          | mg/l  | 3   | 20         |
| Beryllium, Dissolved                                                                                                       | ND            | ND               | mg/l  | NC  | 20         |
| Cadmium, Dissolved                                                                                                         | ND            | ND               | mg/l  | NC  | 20         |
| Calcium, Dissolved                                                                                                         | 264.          | 260              | mg/l  | 2   | 20         |
| Chromium, Dissolved                                                                                                        | ND            | ND               | mg/l  | NC  | 20         |
| Cobalt, Dissolved                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Copper, Dissolved                                                                                                          | 0.00535J      | 0.00486J         | mg/l  | NC  | 20         |
| Iron, Dissolved                                                                                                            | 1.30          | 1.32             | mg/l  | 2   | 20         |
| Lead, Dissolved                                                                                                            | 0.00586J      | 0.00566J         | mg/l  | NC  | 20         |
| Magnesium, Dissolved                                                                                                       | 623.          | 620              | mg/l  | 0   | 20         |
| Manganese, Dissolved                                                                                                       | 0.1213        | 0.1187           | mg/l  | 2   | 20         |
| Nickel, Dissolved                                                                                                          | 0.00805J      | 0.00767J         | mg/l  | NC  | 20         |
| Potassium, Dissolved                                                                                                       | 185.          | 183              | mg/l  | 1   | 20         |
| Selenium, Dissolved                                                                                                        | 0.0444J       | 0.0386J          | mg/l  | NC  | 20         |
| Silver, Dissolved                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Thallium, Dissolved                                                                                                        | ND            | ND               | mg/l  | NC  | 20         |

# Lab Duplicate Analysis

## Batch Quality Control

Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

| Parameter                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG674526-3 QC Sample: L1404571-01 Client ID: TMW4 |               |                  |       |     |            |
| Vanadium, Dissolved                                                                                                        | 0.00575J      | 0.00517J         | mg/l  | NC  | 20         |
| Zinc, Dissolved                                                                                                            | 0.02730J      | 0.02684J         | mg/l  | NC  | 20         |
| Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG674526-3 QC Sample: L1404571-01 Client ID: TMW4 |               |                  |       |     |            |
| Sodium, Dissolved                                                                                                          | 5130          | 5320             | mg/l  | 4   | 20         |



Project Name: 470 KENT AVE

Project Number: 470K

Lab Number: L1404571

Report Date: 03/12/14

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

| Container ID | Container Type                   | Cooler | pH  | Temp<br>deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------|--------|-----|---------------|------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1404571-01A | Vial HCl preserved               | A      | N/A | 3.7           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404571-01B | Vial HCl preserved               | A      | N/A | 3.7           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404571-01C | Vial HCl preserved               | A      | N/A | 3.7           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |
| L1404571-01D | Plastic 250ml unpreserved        | A      | 7   | 3.7           | Y    | Absent | FILTER-MET(1)                                                                                                                                                                                                                                                                                                              |
| L1404571-01E | Plastic 500ml HNO3 preserved     | A      | <2  | 3.7           | Y    | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-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),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1404571-01F | Amber 500ml unpreserved          | A      | 7   | 3.7           | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404571-01G | Amber 500ml unpreserved          | A      | 7   | 3.7           | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                                                                              |
| L1404571-01H | Amber 1000ml unpreserved         | A      | 7   | 3.7           | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1404571-01I | Amber 1000ml unpreserved         | A      | 7   | 3.7           | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                                                                                       |
| L1404571-01J | Amber 1000ml unpreserved         | A      | 7   | 3.7           | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1404571-01K | Amber 1000ml unpreserved         | A      | 7   | 3.7           | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                                                                            |
| L1404571-01X | Plastic 250ml HNO3 preserved spl | A      | <2  | 3.7           | Y    | Absent | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1404571-02A | Vial HCl preserved               | A      | N/A | 3.7           | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                                                                             |

\*Values in parentheses indicate holding time in days



**Project Name:** 470 KENT AVE**Project Number:** 470K**Lab Number:** L1404571**Report Date:** 03/12/14**Container Information**

| Container ID | Container Type     | Cooler | pH  | Temp<br>deg C | Pres | Seal   | Analysis(*)    |
|--------------|--------------------|--------|-----|---------------|------|--------|----------------|
| L1404571-02B | Vial HCl preserved | A      | N/A | 3.7           | Y    | Absent | NYTCL-8260(14) |
| L1404571-02C | Vial HCl preserved | A      | N/A | 3.7           | Y    | Absent | NYTCL-8260(14) |
| L1404571-03A | Vial HCl preserved | A      | N/A | 3.7           | Y    | Absent | -              |
| L1404571-03B | Vial HCl preserved | A      | N/A | 3.7           | Y    | Absent | -              |
| L1404571-03C | Vial HCl preserved | A      | N/A | 3.7           | Y    | Absent | -              |

**Container Comments**

L1404571-01D

L1404571-01X

\*Values in parentheses indicate holding time in days

Project Name: 470 KENT AVE

Lab Number: L1404571

Project Number: 470K

Report Date: 03/12/14

## GLOSSARY

### Acronyms

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).                        |
| 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.                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                                                                                                                  |
| 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.                                                                                                                                                                                                                                                                                                          |
| NI   | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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.                                                                                                                                                                                                                                                                                                    |

### 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.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- 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.
- 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.
- 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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 470 KENT AVE**Lab Number:** L1404571**Project Number:** 470K**Report Date:** 03/12/14**Data Qualifiers**

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- 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).
- 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:** 470 KENT AVE  
**Project Number:** 470K

**Lab Number:** L1404571  
**Report Date:** 03/12/14

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

## 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

Last revised December 11, 2013

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

### **Westborough Facility**

**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

**EPA 8330A/B:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 625:** 4-Chloroaniline, 4-Methylphenol.

**SM4500:** Soil: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

### **Mansfield Facility**

**EPA 8270D:** Biphenyl.

**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.

**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

### **Drinking Water**

**EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

**EPA 300.0:** 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**

**EPA 332:** Perchlorate.

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

### **Non-Potable Water**

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

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

**EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

**EPA 624:** Volatile Halocarbons & Aromatics,

**EPA 608:** 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:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

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



# NJ CHAIN-OF CUSTODY

PAGE 1 OF 1

**WESTBORO, MA**  
8 Walkup Drive  
TEL: 508-898-9220  
FAX: 508-898-9193

**MANSFIELD, MA**  
320 Forbes Blvd  
TEL: 508-822-9300  
FAX: 508-822-3288

## Client Information

Client: Tenen Environmental

Address:

Phone:

Fax:

Email: [mcandl@fener-ens.com](mailto:mcandl@fener-ens.com)

☐ These samples have been previously analyzed by Alpha

For EPH you MUST indicate Category 1 or 2. Please check one of the following:

❑ Category 1

- Category 2

[illegible]

**Preservative Code:**

A = None  
B = HCl  
C = HNO<sub>3</sub>  
D = H<sub>2</sub>SO<sub>4</sub>  
E = NaOH  
F = MeOH  
G = NaHSO<sub>4</sub>  
H = Other

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

|                |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|
| Container Type | U | U | A | A | P | P |
|----------------|---|---|---|---|---|---|

|              |   |   |   |   |   |   |
|--------------|---|---|---|---|---|---|
| Preservative | B | A | A | A | L | A |
|--------------|---|---|---|---|---|---|

Relinquished By:

Date/Time

Received By:

Date/Time

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.

# NJ CHAIN-OF CUSTODY

PAGE 2 OF

**WESTBORO, MA**  
8 Walkup Drive  
TEL: 508-898-9220  
FAX: 508-898-9193

**MANSFIELD, MA**  
320 Forbes Blvd  
TEL: 508-822-9300  
FAX: 508-822-3288

## Client Information

Client: Tenen Environmental

Address:

Phone:

Fax:

Email: [mcarnold@fener-ens.com](mailto:mcarnold@fener-ens.com)

☐ These samples have been previously analyzed by Alpha

For EPH you MUST indicate Category 1 or 2. Please check one of the following:

- Category 1

- Category 2

[illegible]

Preservative Code:

A = None  
B = HCl  
C = HNO<sub>3</sub>  
D = H<sub>2</sub>SO<sub>4</sub>  
E = NaOH  
F = MeOH  
G = NaHSO<sub>4</sub>  
H = Other

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

| Container Type | U | D | A | L | P | R |
|----------------|---|---|---|---|---|---|
|----------------|---|---|---|---|---|---|

|              |   |   |   |   |   |   |
|--------------|---|---|---|---|---|---|
| Preservative | B | A | A | A | L | A |
|--------------|---|---|---|---|---|---|

Relinquished By:

Date/Time

Received By:

Date/Time

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:     | L1404619                                                                            |
| Client:         | Tenen Environmental, LLC<br>121 West 27th Street<br>Suite 1004<br>New York City, NY |
| ATTN:           | Matt Carroll                                                                        |
| Phone:          | (646) 606-2332                                                                      |
| Project Name:   | 470 KENT AVENUE                                                                     |
| Project Number: | 470K                                                                                |
| Report Date:    | 03/12/14                                                                            |

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**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404619  
**Report Date:** 03/12/14

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> |
|----------------------------|------------------|----------------------------|---------------------------------|
| L1404619-01                | SV3              | BROOKLYN, NY               | 03/02/14 17:15                  |
| L1404619-02                | SV1              | BROOKLYN, NY               | 03/04/14 12:05                  |
| L1404619-03                | SV2              | BROOKLYN, NY               | 03/04/14 13:00                  |
| L1404619-04                | SV4              | BROOKLYN, NY               | 03/04/14 14:45                  |
| L1404619-05                | CAN ID 819       | BROOKLYN, NY               | 03/04/14 00:00                  |

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404619  
**Report Date:** 03/12/14

### 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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### 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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

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**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404619  
**Report Date:** 03/12/14

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on February 28, 2014. The canister certification results are provided as an addendum.

The WG674393-3 LCS recovery for Hexachlorobutadiene (155%) is above the upper 130% acceptance limit. The response for this compound was elevated however it was not detected in any of the associated samples therefore no further action was taken.

The sample designated SV3 (L1404619-01) had a RPD for the pre- and post-flow controller calibration check (80% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 6.5 mL/minute; the final flow rate was 15.1 mL/minute. The final pressure recorded by the laboratory of the associated canister was 1.6 inches of mercury.

The sample designated SV1 (L1404619-02) had a RPD for the pre- and post-flow controller calibration check (30% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 6.7 mL/minute; the final flow rate was 9.1 mL/minute. The final pressure recorded by the laboratory of the associated canister was -2.1 inches of mercury.

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: 03/12/14

**AIR**

**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404619**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-01 D

Client ID: SV3

Sample Location: BROOKLYN, NY

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 03/08/14 22:20

Analyst: MR

Date Collected: 03/02/14 17:15

Date Received: 03/05/14

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Propylene                                | 35.8    | 0.996 | --  | 61.6    | 1.71  | --  |           | 1.993           |
| Dichlorodifluoromethane                  | 1.52    | 0.399 | --  | 7.52    | 1.97  | --  |           | 1.993           |
| Chloromethane                            | 0.715   | 0.399 | --  | 1.48    | 0.824 | --  |           | 1.993           |
| Freon-114                                | ND      | 0.399 | --  | ND      | 2.79  | --  |           | 1.993           |
| Vinyl chloride                           | ND      | 0.399 | --  | ND      | 1.02  | --  |           | 1.993           |
| 1,3-Butadiene                            | ND      | 0.399 | --  | ND      | 0.883 | --  |           | 1.993           |
| Bromomethane                             | ND      | 0.399 | --  | ND      | 1.55  | --  |           | 1.993           |
| Chloroethane                             | ND      | 0.399 | --  | ND      | 1.05  | --  |           | 1.993           |
| Ethanol                                  | 23.1    | 4.98  | --  | 43.5    | 9.38  | --  |           | 1.993           |
| Vinyl bromide                            | ND      | 0.399 | --  | ND      | 1.74  | --  |           | 1.993           |
| Acetone                                  | 25.6    | 1.99  | --  | 60.8    | 4.73  | --  |           | 1.993           |
| Trichlorofluoromethane                   | ND      | 0.399 | --  | ND      | 2.24  | --  |           | 1.993           |
| Isopropanol                              | 3.12    | 0.996 | --  | 7.67    | 2.45  | --  |           | 1.993           |
| 1,1-Dichloroethene                       | ND      | 0.399 | --  | ND      | 1.58  | --  |           | 1.993           |
| Methylene chloride                       | ND      | 1.99  | --  | ND      | 6.91  | --  |           | 1.993           |
| 3-Chloropropene                          | ND      | 0.399 | --  | ND      | 1.25  | --  |           | 1.993           |
| Carbon disulfide                         | 1.26    | 0.399 | --  | 3.92    | 1.24  | --  |           | 1.993           |
| Freon-113                                | ND      | 0.399 | --  | ND      | 3.06  | --  |           | 1.993           |
| trans-1,2-Dichloroethene                 | ND      | 0.399 | --  | ND      | 1.58  | --  |           | 1.993           |
| 1,1-Dichloroethane                       | ND      | 0.399 | --  | ND      | 1.61  | --  |           | 1.993           |
| Methyl tert butyl ether                  | ND      | 0.399 | --  | ND      | 1.44  | --  |           | 1.993           |
| Vinyl acetate                            | ND      | 0.399 | --  | ND      | 1.40  | --  |           | 1.993           |
| 2-Butanone                               | 1.78    | 0.399 | --  | 5.25    | 1.18  | --  |           | 1.993           |
| cis-1,2-Dichloroethene                   | ND      | 0.399 | --  | ND      | 1.58  | --  |           | 1.993           |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-01 D

Date Collected: 03/02/14 17:15

Client ID: SV3

Date Received: 03/05/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 0.996 | --  | ND      | 3.59 | --  |           | 1.993           |
| Chloroform                               | ND      | 0.399 | --  | ND      | 1.95 | --  |           | 1.993           |
| Tetrahydrofuran                          | ND      | 0.399 | --  | ND      | 1.18 | --  |           | 1.993           |
| 1,2-Dichloroethane                       | ND      | 0.399 | --  | ND      | 1.61 | --  |           | 1.993           |
| n-Hexane                                 | 19.1    | 0.399 | --  | 67.3    | 1.41 | --  |           | 1.993           |
| 1,1,1-Trichloroethane                    | ND      | 0.399 | --  | ND      | 2.18 | --  |           | 1.993           |
| Benzene                                  | ND      | 0.399 | --  | ND      | 1.27 | --  |           | 1.993           |
| Carbon tetrachloride                     | ND      | 0.399 | --  | ND      | 2.51 | --  |           | 1.993           |
| Cyclohexane                              | ND      | 0.399 | --  | ND      | 1.37 | --  |           | 1.993           |
| 1,2-Dichloropropane                      | ND      | 0.399 | --  | ND      | 1.84 | --  |           | 1.993           |
| Bromodichloromethane                     | ND      | 0.399 | --  | ND      | 2.67 | --  |           | 1.993           |
| 1,4-Dioxane                              | ND      | 0.399 | --  | ND      | 1.44 | --  |           | 1.993           |
| Trichloroethene                          | ND      | 0.399 | --  | ND      | 2.14 | --  |           | 1.993           |
| 2,2,4-Trimethylpentane                   | ND      | 0.399 | --  | ND      | 1.86 | --  |           | 1.993           |
| Heptane                                  | 4.41    | 0.399 | --  | 18.1    | 1.64 | --  |           | 1.993           |
| cis-1,3-Dichloropropene                  | ND      | 0.399 | --  | ND      | 1.81 | --  |           | 1.993           |
| 4-Methyl-2-pentanone                     | ND      | 0.399 | --  | ND      | 1.64 | --  |           | 1.993           |
| trans-1,3-Dichloropropene                | ND      | 0.399 | --  | ND      | 1.81 | --  |           | 1.993           |
| 1,1,2-Trichloroethane                    | ND      | 0.399 | --  | ND      | 2.18 | --  |           | 1.993           |
| Toluene                                  | 0.658   | 0.399 | --  | 2.48    | 1.50 | --  |           | 1.993           |
| 2-Hexanone                               | ND      | 0.399 | --  | ND      | 1.64 | --  |           | 1.993           |
| Dibromochloromethane                     | ND      | 0.399 | --  | ND      | 3.40 | --  |           | 1.993           |
| 1,2-Dibromoethane                        | ND      | 0.399 | --  | ND      | 3.07 | --  |           | 1.993           |
| Tetrachloroethene                        | ND      | 0.399 | --  | ND      | 2.71 | --  |           | 1.993           |
| Chlorobenzene                            | ND      | 0.399 | --  | ND      | 1.84 | --  |           | 1.993           |
| Ethylbenzene                             | ND      | 0.399 | --  | ND      | 1.73 | --  |           | 1.993           |
| p/m-Xylene                               | ND      | 0.797 | --  | ND      | 3.46 | --  |           | 1.993           |
| Bromoform                                | ND      | 0.399 | --  | ND      | 4.13 | --  |           | 1.993           |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-01 D

Date Collected: 03/02/14 17:15

Client ID: SV3

Date Received: 03/05/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Styrene                                  | ND      | 0.399 | --  | ND      | 1.70 | --  |           | 1.993           |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.399 | --  | ND      | 2.74 | --  |           | 1.993           |
| o-Xylene                                 | ND      | 0.399 | --  | ND      | 1.73 | --  |           | 1.993           |
| 4-Ethyltoluene                           | ND      | 0.399 | --  | ND      | 1.96 | --  |           | 1.993           |
| 1,3,5-Trimethylbenzene                   | ND      | 0.399 | --  | ND      | 1.96 | --  |           | 1.993           |
| 1,2,4-Trimethylbenzene                   | ND      | 0.399 | --  | ND      | 1.96 | --  |           | 1.993           |
| Benzyl chloride                          | ND      | 0.399 | --  | ND      | 2.07 | --  |           | 1.993           |
| 1,3-Dichlorobenzene                      | ND      | 0.399 | --  | ND      | 2.40 | --  |           | 1.993           |
| 1,4-Dichlorobenzene                      | ND      | 0.399 | --  | ND      | 2.40 | --  |           | 1.993           |
| 1,2-Dichlorobenzene                      | ND      | 0.399 | --  | ND      | 2.40 | --  |           | 1.993           |
| 1,2,4-Trichlorobenzene                   | ND      | 0.399 | --  | ND      | 2.96 | --  |           | 1.993           |
| Hexachlorobutadiene                      | ND      | 0.399 | --  | ND      | 4.26 | --  |           | 1.993           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 99         |           | 60-140              |
| Bromochloromethane  | 89         |           | 60-140              |
| chlorobenzene-d5    | 103        |           | 60-140              |





**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404619**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-02 D

Client ID: SV1

Sample Location: BROOKLYN, NY

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 03/08/14 23:24

Analyst: MR

Date Collected: 03/04/14 12:05

Date Received: 03/05/14

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Propylene                                | 2.41    | 1.14  | --  | 4.15    | 1.96  | --  |           | 2.285           |
| Dichlorodifluoromethane                  | 0.624   | 0.457 | --  | 3.09    | 2.26  | --  |           | 2.285           |
| Chloromethane                            | ND      | 0.457 | --  | ND      | 0.944 | --  |           | 2.285           |
| Freon-114                                | ND      | 0.457 | --  | ND      | 3.19  | --  |           | 2.285           |
| Vinyl chloride                           | ND      | 0.457 | --  | ND      | 1.17  | --  |           | 2.285           |
| 1,3-Butadiene                            | ND      | 0.457 | --  | ND      | 1.01  | --  |           | 2.285           |
| Bromomethane                             | ND      | 0.457 | --  | ND      | 1.77  | --  |           | 2.285           |
| Chloroethane                             | ND      | 0.457 | --  | ND      | 1.21  | --  |           | 2.285           |
| Ethanol                                  | 12.7    | 5.71  | --  | 23.9    | 10.8  | --  |           | 2.285           |
| Vinyl bromide                            | ND      | 0.457 | --  | ND      | 2.00  | --  |           | 2.285           |
| Acetone                                  | 5.07    | 2.28  | --  | 12.0    | 5.42  | --  |           | 2.285           |
| Trichlorofluoromethane                   | ND      | 0.457 | --  | ND      | 2.57  | --  |           | 2.285           |
| Isopropanol                              | ND      | 1.14  | --  | ND      | 2.80  | --  |           | 2.285           |
| 1,1-Dichloroethene                       | ND      | 0.457 | --  | ND      | 1.81  | --  |           | 2.285           |
| Methylene chloride                       | ND      | 2.28  | --  | ND      | 7.92  | --  |           | 2.285           |
| 3-Chloropropene                          | ND      | 0.457 | --  | ND      | 1.43  | --  |           | 2.285           |
| Carbon disulfide                         | ND      | 0.457 | --  | ND      | 1.42  | --  |           | 2.285           |
| Freon-113                                | ND      | 0.457 | --  | ND      | 3.50  | --  |           | 2.285           |
| trans-1,2-Dichloroethene                 | ND      | 0.457 | --  | ND      | 1.81  | --  |           | 2.285           |
| 1,1-Dichloroethane                       | ND      | 0.457 | --  | ND      | 1.85  | --  |           | 2.285           |
| Methyl tert butyl ether                  | ND      | 0.457 | --  | ND      | 1.65  | --  |           | 2.285           |
| Vinyl acetate                            | ND      | 0.457 | --  | ND      | 1.61  | --  |           | 2.285           |
| 2-Butanone                               | ND      | 0.457 | --  | ND      | 1.35  | --  |           | 2.285           |
| cis-1,2-Dichloroethene                   | ND      | 0.457 | --  | ND      | 1.81  | --  |           | 2.285           |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-02 D

Date Collected: 03/04/14 12:05

Client ID: SV1

Date Received: 03/05/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 1.14  | --  | ND      | 4.11 | --  |           | 2.285           |
| Chloroform                               | ND      | 0.457 | --  | ND      | 2.23 | --  |           | 2.285           |
| Tetrahydrofuran                          | ND      | 0.457 | --  | ND      | 1.35 | --  |           | 2.285           |
| 1,2-Dichloroethane                       | ND      | 0.457 | --  | ND      | 1.85 | --  |           | 2.285           |
| n-Hexane                                 | 0.706   | 0.457 | --  | 2.49    | 1.61 | --  |           | 2.285           |
| 1,1,1-Trichloroethane                    | ND      | 0.457 | --  | ND      | 2.49 | --  |           | 2.285           |
| Benzene                                  | 0.818   | 0.457 | --  | 2.61    | 1.46 | --  |           | 2.285           |
| Carbon tetrachloride                     | ND      | 0.457 | --  | ND      | 2.87 | --  |           | 2.285           |
| Cyclohexane                              | ND      | 0.457 | --  | ND      | 1.57 | --  |           | 2.285           |
| 1,2-Dichloropropane                      | ND      | 0.457 | --  | ND      | 2.11 | --  |           | 2.285           |
| Bromodichloromethane                     | ND      | 0.457 | --  | ND      | 3.06 | --  |           | 2.285           |
| 1,4-Dioxane                              | ND      | 0.457 | --  | ND      | 1.65 | --  |           | 2.285           |
| Trichloroethene                          | ND      | 0.457 | --  | ND      | 2.46 | --  |           | 2.285           |
| 2,2,4-Trimethylpentane                   | ND      | 0.457 | --  | ND      | 2.13 | --  |           | 2.285           |
| Heptane                                  | ND      | 0.457 | --  | ND      | 1.87 | --  |           | 2.285           |
| cis-1,3-Dichloropropene                  | ND      | 0.457 | --  | ND      | 2.07 | --  |           | 2.285           |
| 4-Methyl-2-pentanone                     | ND      | 0.457 | --  | ND      | 1.87 | --  |           | 2.285           |
| trans-1,3-Dichloropropene                | ND      | 0.457 | --  | ND      | 2.07 | --  |           | 2.285           |
| 1,1,2-Trichloroethane                    | ND      | 0.457 | --  | ND      | 2.49 | --  |           | 2.285           |
| Toluene                                  | 1.07    | 0.457 | --  | 4.03    | 1.72 | --  |           | 2.285           |
| 2-Hexanone                               | ND      | 0.457 | --  | ND      | 1.87 | --  |           | 2.285           |
| Dibromochloromethane                     | ND      | 0.457 | --  | ND      | 3.89 | --  |           | 2.285           |
| 1,2-Dibromoethane                        | ND      | 0.457 | --  | ND      | 3.51 | --  |           | 2.285           |
| Tetrachloroethene                        | ND      | 0.457 | --  | ND      | 3.10 | --  |           | 2.285           |
| Chlorobenzene                            | ND      | 0.457 | --  | ND      | 2.10 | --  |           | 2.285           |
| Ethylbenzene                             | ND      | 0.457 | --  | ND      | 1.99 | --  |           | 2.285           |
| p/m-Xylene                               | ND      | 0.914 | --  | ND      | 3.97 | --  |           | 2.285           |
| Bromoform                                | ND      | 0.457 | --  | ND      | 4.73 | --  |           | 2.285           |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-02 D

Date Collected: 03/04/14 12:05

Client ID: SV1

Date Received: 03/05/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Styrene                                  | ND      | 0.457 | --  | ND      | 1.95 | --  |           | 2.285           |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.457 | --  | ND      | 3.14 | --  |           | 2.285           |
| o-Xylene                                 | ND      | 0.457 | --  | ND      | 1.99 | --  |           | 2.285           |
| 4-Ethyltoluene                           | ND      | 0.457 | --  | ND      | 2.25 | --  |           | 2.285           |
| 1,3,5-Trimethylbenzene                   | ND      | 0.457 | --  | ND      | 2.25 | --  |           | 2.285           |
| 1,2,4-Trimethylbenzene                   | ND      | 0.457 | --  | ND      | 2.25 | --  |           | 2.285           |
| Benzyl chloride                          | ND      | 0.457 | --  | ND      | 2.37 | --  |           | 2.285           |
| 1,3-Dichlorobenzene                      | ND      | 0.457 | --  | ND      | 2.75 | --  |           | 2.285           |
| 1,4-Dichlorobenzene                      | ND      | 0.457 | --  | ND      | 2.75 | --  |           | 2.285           |
| 1,2-Dichlorobenzene                      | ND      | 0.457 | --  | ND      | 2.75 | --  |           | 2.285           |
| 1,2,4-Trichlorobenzene                   | ND      | 0.457 | --  | ND      | 3.39 | --  |           | 2.285           |
| Hexachlorobutadiene                      | ND      | 0.457 | --  | ND      | 4.87 | --  |           | 2.285           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 100        |           | 60-140              |
| Bromochloromethane  | 87         |           | 60-140              |
| chlorobenzene-d5    | 102        |           | 60-140              |



**Project Name:** 470 KENT AVENUE**Project Number:** 470K**Lab Number:** L1404619**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-03 D

Client ID: SV2

Sample Location: BROOKLYN, NY

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 03/08/14 23:56

Analyst: MR

Date Collected: 03/04/14 13:00

Date Received: 03/05/14

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Propylene                                | 9.22    | 1.49  | --  | 15.9    | 2.56 | --  |           | 2.98            |
| Dichlorodifluoromethane                  | ND      | 0.596 | --  | ND      | 2.95 | --  |           | 2.98            |
| Chloromethane                            | ND      | 0.596 | --  | ND      | 1.23 | --  |           | 2.98            |
| Freon-114                                | ND      | 0.596 | --  | ND      | 4.17 | --  |           | 2.98            |
| Vinyl chloride                           | ND      | 0.596 | --  | ND      | 1.52 | --  |           | 2.98            |
| 1,3-Butadiene                            | ND      | 0.596 | --  | ND      | 1.32 | --  |           | 2.98            |
| Bromomethane                             | ND      | 0.596 | --  | ND      | 2.31 | --  |           | 2.98            |
| Chloroethane                             | ND      | 0.596 | --  | ND      | 1.57 | --  |           | 2.98            |
| Ethanol                                  | 32.2    | 7.45  | --  | 60.7    | 14.0 | --  |           | 2.98            |
| Vinyl bromide                            | ND      | 0.596 | --  | ND      | 2.61 | --  |           | 2.98            |
| Acetone                                  | ND      | 2.98  | --  | ND      | 7.08 | --  |           | 2.98            |
| Trichlorofluoromethane                   | ND      | 0.596 | --  | ND      | 3.35 | --  |           | 2.98            |
| Isopropanol                              | 3.92    | 1.49  | --  | 9.64    | 3.66 | --  |           | 2.98            |
| 1,1-Dichloroethene                       | ND      | 0.596 | --  | ND      | 2.36 | --  |           | 2.98            |
| Methylene chloride                       | ND      | 2.98  | --  | ND      | 10.4 | --  |           | 2.98            |
| 3-Chloropropene                          | ND      | 0.596 | --  | ND      | 1.87 | --  |           | 2.98            |
| Carbon disulfide                         | ND      | 0.596 | --  | ND      | 1.86 | --  |           | 2.98            |
| Freon-113                                | ND      | 0.596 | --  | ND      | 4.57 | --  |           | 2.98            |
| trans-1,2-Dichloroethene                 | ND      | 0.596 | --  | ND      | 2.36 | --  |           | 2.98            |
| 1,1-Dichloroethane                       | ND      | 0.596 | --  | ND      | 2.41 | --  |           | 2.98            |
| Methyl tert butyl ether                  | ND      | 0.596 | --  | ND      | 2.15 | --  |           | 2.98            |
| Vinyl acetate                            | ND      | 0.596 | --  | ND      | 2.10 | --  |           | 2.98            |
| 2-Butanone                               | 1.64    | 0.596 | --  | 4.84    | 1.76 | --  |           | 2.98            |
| cis-1,2-Dichloroethene                   | ND      | 0.596 | --  | ND      | 2.36 | --  |           | 2.98            |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-03 D

Date Collected: 03/04/14 13:00

Client ID: SV2

Date Received: 03/05/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 1.49  | --  | ND      | 5.37 | --  |           | 2.98            |
| Chloroform                               | ND      | 0.596 | --  | ND      | 2.91 | --  |           | 2.98            |
| Tetrahydrofuran                          | ND      | 0.596 | --  | ND      | 1.76 | --  |           | 2.98            |
| 1,2-Dichloroethane                       | ND      | 0.596 | --  | ND      | 2.41 | --  |           | 2.98            |
| n-Hexane                                 | 14.8    | 0.596 | --  | 52.2    | 2.10 | --  |           | 2.98            |
| 1,1,1-Trichloroethane                    | ND      | 0.596 | --  | ND      | 3.25 | --  |           | 2.98            |
| Benzene                                  | 1.29    | 0.596 | --  | 4.12    | 1.90 | --  |           | 2.98            |
| Carbon tetrachloride                     | ND      | 0.596 | --  | ND      | 3.75 | --  |           | 2.98            |
| Cyclohexane                              | ND      | 0.596 | --  | ND      | 2.05 | --  |           | 2.98            |
| 1,2-Dichloropropane                      | ND      | 0.596 | --  | ND      | 2.75 | --  |           | 2.98            |
| Bromodichloromethane                     | ND      | 0.596 | --  | ND      | 3.99 | --  |           | 2.98            |
| 1,4-Dioxane                              | ND      | 0.596 | --  | ND      | 2.15 | --  |           | 2.98            |
| Trichloroethene                          | 3.78    | 0.596 | --  | 20.3    | 3.20 | --  |           | 2.98            |
| 2,2,4-Trimethylpentane                   | ND      | 0.596 | --  | ND      | 2.78 | --  |           | 2.98            |
| Heptane                                  | 4.34    | 0.596 | --  | 17.8    | 2.44 | --  |           | 2.98            |
| cis-1,3-Dichloropropene                  | ND      | 0.596 | --  | ND      | 2.71 | --  |           | 2.98            |
| 4-Methyl-2-pentanone                     | ND      | 0.596 | --  | ND      | 2.44 | --  |           | 2.98            |
| trans-1,3-Dichloropropene                | ND      | 0.596 | --  | ND      | 2.71 | --  |           | 2.98            |
| 1,1,2-Trichloroethane                    | ND      | 0.596 | --  | ND      | 3.25 | --  |           | 2.98            |
| Toluene                                  | 2.31    | 0.596 | --  | 8.71    | 2.25 | --  |           | 2.98            |
| 2-Hexanone                               | ND      | 0.596 | --  | ND      | 2.44 | --  |           | 2.98            |
| Dibromochloromethane                     | ND      | 0.596 | --  | ND      | 5.08 | --  |           | 2.98            |
| 1,2-Dibromoethane                        | ND      | 0.596 | --  | ND      | 4.58 | --  |           | 2.98            |
| Tetrachloroethene                        | 0.810   | 0.596 | --  | 5.49    | 4.04 | --  |           | 2.98            |
| Chlorobenzene                            | ND      | 0.596 | --  | ND      | 2.74 | --  |           | 2.98            |
| Ethylbenzene                             | ND      | 0.596 | --  | ND      | 2.59 | --  |           | 2.98            |
| p/m-Xylene                               | 1.33    | 1.19  | --  | 5.78    | 5.17 | --  |           | 2.98            |
| Bromoform                                | ND      | 0.596 | --  | ND      | 6.16 | --  |           | 2.98            |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-03 D

Date Collected: 03/04/14 13:00

Client ID: SV2

Date Received: 03/05/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Styrene                                  | ND      | 0.596 | --  | ND      | 2.54 | --  |           | 2.98            |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.596 | --  | ND      | 4.09 | --  |           | 2.98            |
| o-Xylene                                 | ND      | 0.596 | --  | ND      | 2.59 | --  |           | 2.98            |
| 4-Ethyltoluene                           | ND      | 0.596 | --  | ND      | 2.93 | --  |           | 2.98            |
| 1,3,5-Trimethylbenzene                   | ND      | 0.596 | --  | ND      | 2.93 | --  |           | 2.98            |
| 1,2,4-Trimethylbenzene                   | ND      | 0.596 | --  | ND      | 2.93 | --  |           | 2.98            |
| Benzyl chloride                          | ND      | 0.596 | --  | ND      | 3.09 | --  |           | 2.98            |
| 1,3-Dichlorobenzene                      | ND      | 0.596 | --  | ND      | 3.58 | --  |           | 2.98            |
| 1,4-Dichlorobenzene                      | ND      | 0.596 | --  | ND      | 3.58 | --  |           | 2.98            |
| 1,2-Dichlorobenzene                      | ND      | 0.596 | --  | ND      | 3.58 | --  |           | 2.98            |
| 1,2,4-Trichlorobenzene                   | ND      | 0.596 | --  | ND      | 4.42 | --  |           | 2.98            |
| Hexachlorobutadiene                      | ND      | 0.596 | --  | ND      | 6.36 | --  |           | 2.98            |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 99         |           | 60-140              |
| Bromochloromethane  | 97         |           | 60-140              |
| chlorobenzene-d5    | 102        |           | 60-140              |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

**Lab ID:** L1404619-04 D  
**Client ID:** SV4  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil\_Vapor  
**Anaytical Method:** 48,TO-15  
**Analytical Date:** 03/09/14 00:28  
**Analyst:** MR

**Date Collected:** 03/04/14 14:45  
**Date Received:** 03/05/14  
**Field Prep:** Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Propylene                                | 7.58    | 1.12  | --  | 13.0    | 1.93  | --  |           | 2.233           |
| Dichlorodifluoromethane                  | 0.587   | 0.447 | --  | 2.90    | 2.21  | --  |           | 2.233           |
| Chloromethane                            | ND      | 0.447 | --  | ND      | 0.923 | --  |           | 2.233           |
| Freon-114                                | ND      | 0.447 | --  | ND      | 3.12  | --  |           | 2.233           |
| Vinyl chloride                           | ND      | 0.447 | --  | ND      | 1.14  | --  |           | 2.233           |
| 1,3-Butadiene                            | ND      | 0.447 | --  | ND      | 0.989 | --  |           | 2.233           |
| Bromomethane                             | ND      | 0.447 | --  | ND      | 1.74  | --  |           | 2.233           |
| Chloroethane                             | ND      | 0.447 | --  | ND      | 1.18  | --  |           | 2.233           |
| Ethanol                                  | 18.3    | 5.58  | --  | 34.5    | 10.5  | --  |           | 2.233           |
| Vinyl bromide                            | ND      | 0.447 | --  | ND      | 1.95  | --  |           | 2.233           |
| Acetone                                  | 7.43    | 2.23  | --  | 17.6    | 5.30  | --  |           | 2.233           |
| Trichlorofluoromethane                   | ND      | 0.447 | --  | ND      | 2.51  | --  |           | 2.233           |
| Isopropanol                              | 1.67    | 1.12  | --  | 4.10    | 2.75  | --  |           | 2.233           |
| 1,1-Dichloroethene                       | ND      | 0.447 | --  | ND      | 1.77  | --  |           | 2.233           |
| Methylene chloride                       | ND      | 2.23  | --  | ND      | 7.75  | --  |           | 2.233           |
| 3-Chloropropene                          | ND      | 0.447 | --  | ND      | 1.40  | --  |           | 2.233           |
| Carbon disulfide                         | 0.652   | 0.447 | --  | 2.03    | 1.39  | --  |           | 2.233           |
| Freon-113                                | ND      | 0.447 | --  | ND      | 3.43  | --  |           | 2.233           |
| trans-1,2-Dichloroethene                 | ND      | 0.447 | --  | ND      | 1.77  | --  |           | 2.233           |
| 1,1-Dichloroethane                       | ND      | 0.447 | --  | ND      | 1.81  | --  |           | 2.233           |
| Methyl tert butyl ether                  | ND      | 0.447 | --  | ND      | 1.61  | --  |           | 2.233           |
| Vinyl acetate                            | ND      | 0.447 | --  | ND      | 1.57  | --  |           | 2.233           |
| 2-Butanone                               | ND      | 0.447 | --  | ND      | 1.32  | --  |           | 2.233           |
| cis-1,2-Dichloroethene                   | ND      | 0.447 | --  | ND      | 1.77  | --  |           | 2.233           |



**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-04 D

Date Collected: 03/04/14 14:45

Client ID: SV4

Date Received: 03/05/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Ethyl Acetate                            | ND      | 1.12  | --  | ND      | 4.04 | --  |           | 2.233           |
| Chloroform                               | ND      | 0.447 | --  | ND      | 2.18 | --  |           | 2.233           |
| Tetrahydrofuran                          | ND      | 0.447 | --  | ND      | 1.32 | --  |           | 2.233           |
| 1,2-Dichloroethane                       | ND      | 0.447 | --  | ND      | 1.81 | --  |           | 2.233           |
| n-Hexane                                 | 10.5    | 0.447 | --  | 37.0    | 1.58 | --  |           | 2.233           |
| 1,1,1-Trichloroethane                    | ND      | 0.447 | --  | ND      | 2.44 | --  |           | 2.233           |
| Benzene                                  | 0.782   | 0.447 | --  | 2.50    | 1.43 | --  |           | 2.233           |
| Carbon tetrachloride                     | ND      | 0.447 | --  | ND      | 2.81 | --  |           | 2.233           |
| Cyclohexane                              | ND      | 0.447 | --  | ND      | 1.54 | --  |           | 2.233           |
| 1,2-Dichloropropane                      | ND      | 0.447 | --  | ND      | 2.07 | --  |           | 2.233           |
| Bromodichloromethane                     | ND      | 0.447 | --  | ND      | 2.99 | --  |           | 2.233           |
| 1,4-Dioxane                              | ND      | 0.447 | --  | ND      | 1.61 | --  |           | 2.233           |
| Trichloroethene                          | ND      | 0.447 | --  | ND      | 2.40 | --  |           | 2.233           |
| 2,2,4-Trimethylpentane                   | ND      | 0.447 | --  | ND      | 2.09 | --  |           | 2.233           |
| Heptane                                  | 9.19    | 0.447 | --  | 37.7    | 1.83 | --  |           | 2.233           |
| cis-1,3-Dichloropropene                  | ND      | 0.447 | --  | ND      | 2.03 | --  |           | 2.233           |
| 4-Methyl-2-pentanone                     | ND      | 0.447 | --  | ND      | 1.83 | --  |           | 2.233           |
| trans-1,3-Dichloropropene                | ND      | 0.447 | --  | ND      | 2.03 | --  |           | 2.233           |
| 1,1,2-Trichloroethane                    | ND      | 0.447 | --  | ND      | 2.44 | --  |           | 2.233           |
| Toluene                                  | 1.03    | 0.447 | --  | 3.88    | 1.68 | --  |           | 2.233           |
| 2-Hexanone                               | ND      | 0.447 | --  | ND      | 1.83 | --  |           | 2.233           |
| Dibromochloromethane                     | ND      | 0.447 | --  | ND      | 3.81 | --  |           | 2.233           |
| 1,2-Dibromoethane                        | ND      | 0.447 | --  | ND      | 3.44 | --  |           | 2.233           |
| Tetrachloroethene                        | ND      | 0.447 | --  | ND      | 3.03 | --  |           | 2.233           |
| Chlorobenzene                            | ND      | 0.447 | --  | ND      | 2.06 | --  |           | 2.233           |
| Ethylbenzene                             | ND      | 0.447 | --  | ND      | 1.94 | --  |           | 2.233           |
| p/m-Xylene                               | ND      | 0.893 | --  | ND      | 3.88 | --  |           | 2.233           |
| Bromoform                                | ND      | 0.447 | --  | ND      | 4.62 | --  |           | 2.233           |





**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**SAMPLE RESULTS**

Lab ID: L1404619-04 D

Date Collected: 03/04/14 14:45

Client ID: SV4

Date Received: 03/05/14

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |      |     |           |                 |
| Styrene                                  | ND      | 0.447 | --  | ND      | 1.90 | --  |           | 2.233           |
| 1,1,2,2-Tetrachloroethane                | ND      | 0.447 | --  | ND      | 3.07 | --  |           | 2.233           |
| o-Xylene                                 | ND      | 0.447 | --  | ND      | 1.94 | --  |           | 2.233           |
| 4-Ethyltoluene                           | ND      | 0.447 | --  | ND      | 2.20 | --  |           | 2.233           |
| 1,3,5-Trimethylbenzene                   | ND      | 0.447 | --  | ND      | 2.20 | --  |           | 2.233           |
| 1,2,4-Trimethylbenzene                   | ND      | 0.447 | --  | ND      | 2.20 | --  |           | 2.233           |
| Benzyl chloride                          | ND      | 0.447 | --  | ND      | 2.31 | --  |           | 2.233           |
| 1,3-Dichlorobenzene                      | ND      | 0.447 | --  | ND      | 2.69 | --  |           | 2.233           |
| 1,4-Dichlorobenzene                      | ND      | 0.447 | --  | ND      | 2.69 | --  |           | 2.233           |
| 1,2-Dichlorobenzene                      | ND      | 0.447 | --  | ND      | 2.69 | --  |           | 2.233           |
| 1,2,4-Trichlorobenzene                   | ND      | 0.447 | --  | ND      | 3.32 | --  |           | 2.233           |
| Hexachlorobutadiene                      | ND      | 0.447 | --  | ND      | 4.77 | --  |           | 2.233           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 98         |           | 60-140              |
| Bromochloromethane  | 87         |           | 60-140              |
| chlorobenzene-d5    | 107        |           | 60-140              |



Project Name: 470 KENT AVENUE

Lab Number: L1404619

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/08/14 14:01

| Parameter                                                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG674393-4 |         |       |     |         |       |     |           |                 |
| Propylene                                                                       | ND      | 0.500 | --  | ND      | 0.861 | --  |           | 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               |
| 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      | 2.50  | --  | ND      | 4.71  | --  |           | 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      | 1.00  | --  | ND      | 3.47  | --  |           | 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      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| 2-Butanone                                                                      | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 1               |
| cis-1,2-Dichloroethene                                                          | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



Project Name: 470 KENT AVENUE

Lab Number: L1404619

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/08/14 14:01

| Parameter                                                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG674393-4 |         |       |     |         |       |     |           |                 |
| Ethyl Acetate                                                                   | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                                                                      | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |
| Tetrahydrofuran                                                                 | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 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      | 0.200 | --  | ND      | 0.820 | --  |           | 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               |



Project Name: 470 KENT AVENUE

Lab Number: L1404619

Project Number: 470K

Report Date: 03/12/14

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/08/14 14:01

| Parameter                                                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG674393-4 |         |       |     |         |       |     |           |                 |
| 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               |
| 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:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404619

**Report Date:** 03/12/14

| Parameter                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG674393-3 |                  |      |                   |      |                     |     |      |               |
| Chlorodifluoromethane                                                                  | 97               |      | -                 |      | 70-130              | -   |      |               |
| Propylene                                                                              | 117              |      | -                 |      | 70-130              | -   |      |               |
| Propane                                                                                | 72               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorodifluoromethane                                                                | 108              |      | -                 |      | 70-130              | -   |      |               |
| Chloromethane                                                                          | 92               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane                                                 | 105              |      | -                 |      | 70-130              | -   |      |               |
| Methanol                                                                               | 86               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl chloride                                                                         | 103              |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Butadiene                                                                          | 109              |      | -                 |      | 70-130              | -   |      |               |
| Butane                                                                                 | 98               |      | -                 |      | 70-130              | -   |      |               |
| Bromomethane                                                                           | 103              |      | -                 |      | 70-130              | -   |      |               |
| Chloroethane                                                                           | 100              |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Alcohol                                                                          | 88               |      | -                 |      | 70-130              | -   |      |               |
| Dichlorofluoromethane                                                                  | 96               |      | -                 |      | 70-130              | -   |      |               |
| Vinyl bromide                                                                          | 105              |      | -                 |      | 70-130              | -   |      |               |
| Acrolein                                                                               | 100              |      | -                 |      | 70-130              | -   |      |               |
| Acetone                                                                                | 107              |      | -                 |      | 70-130              | -   |      |               |
| Acetonitrile                                                                           | 91               |      | -                 |      | 70-130              | -   |      |               |
| Trichlorofluoromethane                                                                 | 111              |      | -                 |      | 70-130              | -   |      |               |
| iso-Propyl Alcohol                                                                     | 100              |      | -                 |      | 70-130              | -   |      |               |
| Acrylonitrile                                                                          | 90               |      | -                 |      | 70-130              | -   |      |               |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404619

**Report Date:** 03/12/14

| Parameter                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG674393-3 |                  |      |                   |      |                     |     |      |               |
| Pentane                                                                                | 83               |      | -                 |      | 70-130              | -   |      |               |
| Ethyl ether                                                                            | 87               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethene                                                                     | 102              |      | -                 |      | 70-130              | -   |      |               |
| tert-Butyl Alcohol                                                                     | 84               |      | -                 |      | 70-130              | -   |      |               |
| Methylene chloride                                                                     | 94               |      | -                 |      | 70-130              | -   |      |               |
| 3-Chloropropene                                                                        | 113              |      | -                 |      | 70-130              | -   |      |               |
| Carbon disulfide                                                                       | 97               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                  | 101              |      | -                 |      | 70-130              | -   |      |               |
| trans-1,2-Dichloroethene                                                               | 91               |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloroethane                                                                     | 95               |      | -                 |      | 70-130              | -   |      |               |
| Methyl tert butyl ether                                                                | 101              |      | -                 |      | 70-130              | -   |      |               |
| Vinyl acetate                                                                          | 80               |      | -                 |      | 70-130              | -   |      |               |
| 2-Butanone                                                                             | 89               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,2-Dichloroethene                                                                 | 107              |      | -                 |      | 70-130              | -   |      |               |
| Ethyl Acetate                                                                          | 84               |      | -                 |      | 70-130              | -   |      |               |
| Chloroform                                                                             | 102              |      | -                 |      | 70-130              | -   |      |               |
| Tetrahydrofuran                                                                        | 83               |      | -                 |      | 70-130              | -   |      |               |
| 2,2-Dichloropropane                                                                    | 97               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloroethane                                                                     | 102              |      | -                 |      | 70-130              | -   |      |               |
| n-Hexane                                                                               | 98               |      | -                 |      | 70-130              | -   |      |               |
| Isopropyl Ether                                                                        | 86               |      | -                 |      | 70-130              | -   |      |               |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404619

**Report Date:** 03/12/14

| Parameter                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG674393-3 |                  |      |                   |      |                     |     |      |               |
| Ethyl-Tert-Butyl-Ether                                                                 | 86               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1-Trichloroethane                                                                  | 106              |      | -                 |      | 70-130              | -   |      |               |
| 1,1-Dichloropropene                                                                    | 96               |      | -                 |      | 70-130              | -   |      |               |
| Benzene                                                                                | 89               |      | -                 |      | 70-130              | -   |      |               |
| Carbon tetrachloride                                                                   | 114              |      | -                 |      | 70-130              | -   |      |               |
| Cyclohexane                                                                            | 88               |      | -                 |      | 70-130              | -   |      |               |
| Tertiary-Amyl Methyl Ether                                                             | 88               |      | -                 |      | 70-130              | -   |      |               |
| Dibromomethane                                                                         | 94               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichloropropane                                                                    | 89               |      | -                 |      | 70-130              | -   |      |               |
| Bromodichloromethane                                                                   | 105              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dioxane                                                                            | 87               |      | -                 |      | 70-130              | -   |      |               |
| Trichloroethene                                                                        | 101              |      | -                 |      | 70-130              | -   |      |               |
| 2,2,4-Trimethylpentane                                                                 | 92               |      | -                 |      | 70-130              | -   |      |               |
| Methyl methacrylate                                                                    | 94               |      | -                 |      | 70-130              | -   |      |               |
| Heptane                                                                                | 94               |      | -                 |      | 70-130              | -   |      |               |
| cis-1,3-Dichloropropene                                                                | 97               |      | -                 |      | 70-130              | -   |      |               |
| 4-Methyl-2-pentanone                                                                   | 88               |      | -                 |      | 70-130              | -   |      |               |
| trans-1,3-Dichloropropene                                                              | 88               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2-Trichloroethane                                                                  | 97               |      | -                 |      | 70-130              | -   |      |               |
| Toluene                                                                                | 96               |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichloropropane                                                                    | 87               |      | -                 |      | 70-130              | -   |      |               |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404619

**Report Date:** 03/12/14

| Parameter                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG674393-3 |                  |      |                   |      |                     |     |      |               |
| 2-Hexanone                                                                             | 102              |      | -                 |      | 70-130              | -   |      |               |
| Dibromochloromethane                                                                   | 102              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dibromoethane                                                                      | 109              |      | -                 |      | 70-130              | -   |      |               |
| Butyl Acetate                                                                          | 105              |      | -                 |      | 70-130              | -   |      |               |
| Octane                                                                                 | 86               |      | -                 |      | 70-130              | -   |      |               |
| Tetrachloroethene                                                                      | 100              |      | -                 |      | 70-130              | -   |      |               |
| 1,1,1,2-Tetrachloroethane                                                              | 102              |      | -                 |      | 70-130              | -   |      |               |
| Chlorobenzene                                                                          | 100              |      | -                 |      | 70-130              | -   |      |               |
| Ethylbenzene                                                                           | 106              |      | -                 |      | 70-130              | -   |      |               |
| p/m-Xylene                                                                             | 99               |      | -                 |      | 70-130              | -   |      |               |
| Bromoform                                                                              | 97               |      | -                 |      | 70-130              | -   |      |               |
| Styrene                                                                                | 99               |      | -                 |      | 70-130              | -   |      |               |
| 1,1,2,2-Tetrachloroethane                                                              | 94               |      | -                 |      | 70-130              | -   |      |               |
| o-Xylene                                                                               | 102              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,3-Trichloropropane                                                                 | 93               |      | -                 |      | 70-130              | -   |      |               |
| Nonane (C9)                                                                            | 90               |      | -                 |      | 70-130              | -   |      |               |
| Isopropylbenzene                                                                       | 99               |      | -                 |      | 70-130              | -   |      |               |
| Bromobenzene                                                                           | 95               |      | -                 |      | 70-130              | -   |      |               |
| o-Chlorotoluene                                                                        | 100              |      | -                 |      | 70-130              | -   |      |               |
| n-Propylbenzene                                                                        | 100              |      | -                 |      | 70-130              | -   |      |               |
| p-Chlorotoluene                                                                        | 101              |      | -                 |      | 70-130              | -   |      |               |



# Lab Control Sample Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404619

Report Date: 03/12/14

| Parameter                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG674393-3 |                  |      |                   |      |                     |     |      |               |
| 4-Ethyltoluene                                                                         | 91               |      | -                 |      | 70-130              | -   |      |               |
| 1,3,5-Trimethylbenzene                                                                 | 101              |      | -                 |      | 70-130              | -   |      |               |
| tert-Butylbenzene                                                                      | 103              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trimethylbenzene                                                                 | 106              |      | -                 |      | 70-130              | -   |      |               |
| Decane (C10)                                                                           | 92               |      | -                 |      | 70-130              | -   |      |               |
| Benzyl chloride                                                                        | 103              |      | -                 |      | 70-130              | -   |      |               |
| 1,3-Dichlorobenzene                                                                    | 111              |      | -                 |      | 70-130              | -   |      |               |
| 1,4-Dichlorobenzene                                                                    | 113              |      | -                 |      | 70-130              | -   |      |               |
| sec-Butylbenzene                                                                       | 102              |      | -                 |      | 70-130              | -   |      |               |
| p-Isopropyltoluene                                                                     | 96               |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dichlorobenzene                                                                    | 111              |      | -                 |      | 70-130              | -   |      |               |
| n-Butylbenzene                                                                         | 108              |      | -                 |      | 70-130              | -   |      |               |
| 1,2-Dibromo-3-chloropropane                                                            | 100              |      | -                 |      | 70-130              | -   |      |               |
| Undecane                                                                               | 104              |      | -                 |      | 70-130              | -   |      |               |
| Dodecane (C12)                                                                         | 147              | Q    | -                 |      | 70-130              | -   |      |               |
| 1,2,4-Trichlorobenzene                                                                 | 124              |      | -                 |      | 70-130              | -   |      |               |
| Naphthalene                                                                            | 118              |      | -                 |      | 70-130              | -   |      |               |
| 1,2,3-Trichlorobenzene                                                                 | 136              | Q    | -                 |      | 70-130              | -   |      |               |
| Hexachlorobutadiene                                                                    | 155              | Q    | -                 |      | 70-130              | -   |      |               |

Project Name: 470 KENT AVENUE

Project Number: 470K

# Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1404619

Report Date: 03/12/14

| Parameter                                                                                                                          | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG674393-5 QC Sample: L1404619-01 Client ID: SV3 |               |                  |       |     |      |            |
| Propylene                                                                                                                          | 35.8          | 33.1             | ppbV  | 8   |      | 25         |
| Dichlorodifluoromethane                                                                                                            | 1.52          | 1.38             | ppbV  | 10  |      | 25         |
| Chloromethane                                                                                                                      | 0.715         | 0.620            | ppbV  | 14  |      | 25         |
| Freon-114                                                                                                                          | ND            | ND               | ppbV  | NC  |      | 25         |
| Vinyl chloride                                                                                                                     | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,3-Butadiene                                                                                                                      | ND            | ND               | ppbV  | NC  |      | 25         |
| Bromomethane                                                                                                                       | ND            | ND               | ppbV  | NC  |      | 25         |
| Chloroethane                                                                                                                       | ND            | ND               | ppbV  | NC  |      | 25         |
| Ethanol                                                                                                                            | 23.1          | 22.6             | ppbV  | 2   |      | 25         |
| Vinyl bromide                                                                                                                      | ND            | ND               | ppbV  | NC  |      | 25         |
| Acetone                                                                                                                            | 25.6          | 23.5             | ppbV  | 9   |      | 25         |
| Trichlorofluoromethane                                                                                                             | ND            | ND               | ppbV  | NC  |      | 25         |
| Isopropanol                                                                                                                        | 3.12          | 3.41             | ppbV  | 9   |      | 25         |
| 1,1-Dichloroethene                                                                                                                 | ND            | ND               | ppbV  | NC  |      | 25         |
| Methylene chloride                                                                                                                 | ND            | ND               | ppbV  | NC  |      | 25         |
| 3-Chloropropene                                                                                                                    | ND            | ND               | ppbV  | NC  |      | 25         |
| Carbon disulfide                                                                                                                   | 1.26          | 1.09             | ppbV  | 14  |      | 25         |
| Freon-113                                                                                                                          | ND            | ND               | ppbV  | NC  |      | 25         |
| trans-1,2-Dichloroethene                                                                                                           | ND            | ND               | ppbV  | NC  |      | 25         |

# Lab Duplicate Analysis

## Batch Quality Control

Project Name: 470 KENT AVENUE

Project Number: 470K

Lab Number: L1404619

Report Date: 03/12/14

| Parameter                                                                                                                          | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG674393-5 QC Sample: L1404619-01 Client ID: SV3 |               |                  |       |     |            |
| 1,1-Dichloroethane                                                                                                                 | ND            | ND               | ppbV  | NC  | 25         |
| Methyl tert butyl ether                                                                                                            | ND            | ND               | ppbV  | NC  | 25         |
| Vinyl acetate                                                                                                                      | ND            | ND               | ppbV  | NC  | 25         |
| 2-Butanone                                                                                                                         | 1.78          | 1.80             | ppbV  | 1   | 25         |
| cis-1,2-Dichloroethene                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |
| Ethyl Acetate                                                                                                                      | ND            | ND               | ppbV  | NC  | 25         |
| Chloroform                                                                                                                         | ND            | ND               | ppbV  | NC  | 25         |
| Tetrahydrofuran                                                                                                                    | ND            | ND               | ppbV  | NC  | 25         |
| 1,2-Dichloroethane                                                                                                                 | ND            | ND               | ppbV  | NC  | 25         |
| n-Hexane                                                                                                                           | 19.1          | 18.0             | ppbV  | 6   | 25         |
| 1,1,1-Trichloroethane                                                                                                              | ND            | ND               | ppbV  | NC  | 25         |
| Benzene                                                                                                                            | ND            | ND               | ppbV  | NC  | 25         |
| Carbon tetrachloride                                                                                                               | ND            | ND               | ppbV  | NC  | 25         |
| Cyclohexane                                                                                                                        | ND            | ND               | ppbV  | NC  | 25         |
| 1,2-Dichloropropane                                                                                                                | ND            | ND               | ppbV  | NC  | 25         |
| Bromodichloromethane                                                                                                               | ND            | ND               | ppbV  | NC  | 25         |
| 1,4-Dioxane                                                                                                                        | ND            | ND               | ppbV  | NC  | 25         |
| Trichloroethene                                                                                                                    | ND            | ND               | ppbV  | NC  | 25         |
| 2,2,4-Trimethylpentane                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |

Project Name: 470 KENT AVENUE

Project Number: 470K

# Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1404619

Report Date: 03/12/14

| Parameter                                                                                                                          | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG674393-5 QC Sample: L1404619-01 Client ID: SV3 |               |                  |       |     |            |
| Heptane                                                                                                                            | 4.41          | 3.96             | ppbV  | 11  | 25         |
| cis-1,3-Dichloropropene                                                                                                            | ND            | ND               | ppbV  | NC  | 25         |
| 4-Methyl-2-pentanone                                                                                                               | ND            | ND               | ppbV  | NC  | 25         |
| trans-1,3-Dichloropropene                                                                                                          | ND            | ND               | ppbV  | NC  | 25         |
| 1,1,2-Trichloroethane                                                                                                              | ND            | ND               | ppbV  | NC  | 25         |
| Toluene                                                                                                                            | 0.658         | 0.712            | ppbV  | 8   | 25         |
| 2-Hexanone                                                                                                                         | ND            | ND               | ppbV  | NC  | 25         |
| Dibromochloromethane                                                                                                               | ND            | ND               | ppbV  | NC  | 25         |
| 1,2-Dibromoethane                                                                                                                  | ND            | ND               | ppbV  | NC  | 25         |
| Tetrachloroethene                                                                                                                  | ND            | ND               | ppbV  | NC  | 25         |
| Chlorobenzene                                                                                                                      | ND            | ND               | ppbV  | NC  | 25         |
| Ethylbenzene                                                                                                                       | ND            | ND               | ppbV  | NC  | 25         |
| p/m-Xylene                                                                                                                         | ND            | ND               | ppbV  | NC  | 25         |
| Bromoform                                                                                                                          | ND            | ND               | ppbV  | NC  | 25         |
| Styrene                                                                                                                            | ND            | ND               | ppbV  | NC  | 25         |
| 1,1,2,2-Tetrachloroethane                                                                                                          | ND            | ND               | ppbV  | NC  | 25         |
| o-Xylene                                                                                                                           | ND            | ND               | ppbV  | NC  | 25         |
| 4-Ethyltoluene                                                                                                                     | ND            | ND               | ppbV  | NC  | 25         |
| 1,3,5-Trimethylbenzene                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** 470 KENT AVENUE

**Project Number:** 470K

**Lab Number:** L1404619

**Report Date:** 03/12/14

| Parameter                                                                                                                          | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG674393-5 QC Sample: L1404619-01 Client ID: SV3 |               |                  |       |     |            |
| 1,2,4-Trimethylbenzene                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |
| Benzyl chloride                                                                                                                    | ND            | ND               | ppbV  | NC  | 25         |
| 1,3-Dichlorobenzene                                                                                                                | ND            | ND               | ppbV  | NC  | 25         |
| 1,4-Dichlorobenzene                                                                                                                | ND            | ND               | ppbV  | NC  | 25         |
| 1,2-Dichlorobenzene                                                                                                                | ND            | ND               | ppbV  | NC  | 25         |
| 1,2,4-Trichlorobenzene                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |
| Hexachlorobutadiene                                                                                                                | ND            | ND               | ppbV  | NC  | 25         |

Project Name: 470 KENT AVENUE

Serial\_No:03121415:12  
Lab Number: L1404619

Project Number: 470K

Report Date: 03/12/14

### 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 |
|-------------|------------|----------|------------|---------------|--------------|-------------------|----------------|---------------------------|------------------------------|--------------------------|-----------------|----------------|-------|
| L1404619-01 | SV3        | 0100     | #20 AMB    | 02/28/14      | 99249        |                   | -              | -                         | -                            | Pass                     | 6.5             | 15.1           | 80    |
| L1404619-01 | SV3        | 735      | 1.0L Can   | 02/28/14      | 99249        | L1404010-02       | Pass           | -29.4                     | 1.6                          | -                        | -               | -              | -     |
| L1404619-02 | SV1        | 0204     | #30 SV     | 02/28/14      | 99249        |                   | -              | -                         | -                            | Pass                     | 6.7             | 9.1            | 30    |
| L1404619-02 | SV1        | 568      | 1.0L Can   | 02/28/14      | 99249        | L1404010-02       | Pass           | -29.0                     | -2.1                         | -                        | -               | -              | -     |
| L1404619-03 | SV2        | 0266     | #16 AMB    | 02/28/14      | 99249        |                   | -              | -                         | -                            | Pass                     | 6.6             | 7.0            | 6     |
| L1404619-03 | SV2        | 877      | 1.0L Can   | 02/28/14      | 99249        | L1404010-02       | Pass           | -29.4                     | -9.0                         | -                        | -               | -              | -     |
| L1404619-04 | SV4        | 0491     | #20 SV     | 02/28/14      | 99249        |                   | -              | -                         | -                            | Pass                     | 6.6             | 7.6            | 14    |
| L1404619-04 | SV4        | 907      | 1.0L Can   | 02/28/14      | 99249        | L1404010-02       | Pass           | -29.4                     | -1.4                         | -                        | -               | -              | -     |
| L1404619-05 | CAN ID 819 | 0563     | #20 SV     | 02/28/14      | 99249        |                   | -              | -                         | -                            | Pass                     | 6.6             | 7.3            | 10    |
| L1404619-05 | CAN ID 819 | 819      | 1.0L Can   | 02/28/14      | 99249        | L1404010-02       | Pass           | -29.4                     | -29.6                        | -                        | -               | -              | -     |

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

**Lab Number:** L1404010  
**Report Date:** 03/12/14

### Air Canister Certification Results

**Lab ID:** L1404010-02  
**Client ID:** CAN 1952 SHELF 2  
**Sample Location:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 02/25/14 14:05  
**Analyst:** AR

**Date Collected:** 02/24/14 18:01  
**Date Received:** 02/25/14  
**Field Prep:** Not Specified

| 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      | 2.50  | --  | ND      | 4.71  | --  |           | 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      | 0.200 | --  | ND      | 0.434 | --  |           | 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               |
| Tertiary butyl Alcohol                   | ND      | 0.500 | --  | ND      | 1.52  | --  |           | 1               |



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

**Lab Number:** L1404010  
**Report Date:** 03/12/14

### Air Canister Certification Results

**Lab ID:** L1404010-02  
**Client ID:** CAN 1952 SHELF 2  
**Sample Location:**

**Date Collected:** 02/24/14 18:01  
**Date Received:** 02/25/14  
**Field Prep:** Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Methylene chloride                       | ND      | 1.00  | --  | ND      | 3.47  | --  |           | 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      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| 2-Butanone                               | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 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      | 0.200 | --  | ND      | 0.590 | --  |           | 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               |
| 1,1,1-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               |
| 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               |





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

**Lab Number:** L1404010  
**Report Date:** 03/12/14

### Air Canister Certification Results

**Lab ID:** L1404010-02  
**Client ID:** CAN 1952 SHELF 2  
**Sample Location:**

**Date Collected:** 02/24/14 18:01  
**Date Received:** 02/25/14  
**Field Prep:** Not Specified

| Parameter                                | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                          | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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      | 0.200 | --  | ND      | 0.820 | --  |           | 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               |
| 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               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1404010**Project Number:** CANISTER QC BAT**Report Date:** 03/12/14**Air Canister Certification Results**

Lab ID: L1404010-02

Date Collected: 02/24/14 18:01

Client ID: CAN 1952 SHELF 2

Date Received: 02/25/14

Sample Location:

Field Prep: Not Specified

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

| Results                          | Qualifier | Units | RDL | Dilution Factor |
|----------------------------------|-----------|-------|-----|-----------------|
| Tentatively Identified Compounds |           |       |     |                 |

No Tentatively Identified Compounds



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1404010**Project Number:** CANISTER QC BAT**Report Date:** 03/12/14**Air Canister Certification Results**

Lab ID: L1404010-02

Date Collected: 02/24/14 18:01

Client ID: CAN 1952 SHELF 2

Date Received: 02/25/14

Sample Location:

Field Prep: Not Specified

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

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 81         |           | 60-140              |
| Bromochloromethane  | 72         |           | 60-140              |
| chlorobenzene-d5    | 89         |           | 60-140              |

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

**Lab Number:** L1404010  
**Report Date:** 03/12/14

### Air Canister Certification Results

**Lab ID:** L1404010-02  
**Client ID:** CAN 1952 SHELF 2  
**Sample Location:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15-SIM  
**Analytical Date:** 02/25/14 14:05  
**Analyst:** AR

**Date Collected:** 02/24/14 18:01  
**Date Received:** 02/25/14  
**Field Prep:** Not Specified

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                         | ND      | 0.050 | --  | ND      | 0.247 | --  |           | 1               |
| Chloromethane                                   | ND      | 0.500 | --  | ND      | 1.03  | --  |           | 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      | 0.020 | --  | ND      | 0.053 | --  |           | 1               |
| Acetone                                         | ND      | 2.00  | --  | ND      | 4.75  | --  |           | 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      | 1.00  | --  | ND      | 3.47  | --  |           | 1               |
| Freon-113                                       | ND      | 0.050 | --  | ND      | 0.383 | --  |           | 1               |
| Halothane                                       | ND      | 0.050 | --  | ND      | 0.404 | --  |           | 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      | 0.020 | --  | ND      | 0.072 | --  |           | 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               |
| 1,2-Dichloropropane                             | ND      | 0.020 | --  | ND      | 0.092 | --  |           | 1               |



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

**Lab Number:** L1404010  
**Report Date:** 03/12/14

### Air Canister Certification Results

**Lab ID:** L1404010-02  
**Client ID:** CAN 1952 SHELF 2  
**Sample Location:**

**Date Collected:** 02/24/14 18:01  
**Date Received:** 02/25/14  
**Field Prep:** Not Specified

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 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      | 0.020 | --  | ND      | 0.092 | --  |           | 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               |
| 1,1,2,2-Tetrachloroethane                       | ND      | 0.020 | --  | ND      | 0.137 | --  |           | 1               |
| o-Xylene                                        | ND      | 0.020 | --  | ND      | 0.087 | --  |           | 1               |
| Isopropylbenzene                                | ND      | 0.500 | --  | ND      | 2.46  | --  |           | 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               |
| 1,3-Dichlorobenzene                             | ND      | 0.020 | --  | ND      | 0.120 | --  |           | 1               |
| 1,4-Dichlorobenzene                             | ND      | 0.020 | --  | ND      | 0.120 | --  |           | 1               |
| sec-Butylbenzene                                | ND      | 0.500 | --  | ND      | 2.74  | --  |           | 1               |
| p-Isopropyltoluene                              | ND      | 0.500 | --  | ND      | 2.74  | --  |           | 1               |
| 1,2-Dichlorobenzene                             | ND      | 0.020 | --  | ND      | 0.120 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1404010**Project Number:** CANISTER QC BAT**Report Date:** 03/12/14**Air Canister Certification Results**

Lab ID: L1404010-02

Date Collected: 02/24/14 18:01

Client ID: CAN 1952 SHELF 2

Date Received: 02/25/14

Sample Location:

Field Prep: Not Specified

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| n-Butylbenzene                                  | ND      | 0.500 | --  | ND      | 2.74  | --  |           | 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 | 86         |           | 60-140              |
| bromochloromethane  | 96         |           | 60-140              |
| chlorobenzene-d5    | 88         |           | 60-140              |

Project Name: 470 KENT AVENUE

Lab Number: L1404619

Project Number: 470K

Report Date: 03/12/14

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

N/A Absent

## Container Information

| Container ID | Container Type     | Cooler | pH  | Temp<br>deg C | Pres | Seal   | Analysis(*) |
|--------------|--------------------|--------|-----|---------------|------|--------|-------------|
| L1404619-01A | Canister - 1 Liter | N/A    | N/A |               | Y    | Absent | TO15-LL(30) |
| L1404619-02A | Canister - 1 Liter | N/A    | N/A |               | Y    | Absent | TO15-LL(30) |
| L1404619-03A | Canister - 1 Liter | N/A    | N/A |               | Y    | Absent | TO15-LL(30) |
| L1404619-04A | Canister - 1 Liter | N/A    | N/A |               | Y    | Absent | TO15-LL(30) |
| L1404619-05A | Canister - 1 Liter | N/A    | N/A |               | Y    | Absent | CLEAN-FEE() |

\*Values in parentheses indicate holding time in days

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404619  
**Report Date:** 03/12/14

## GLOSSARY

### Acronyms

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).                        |
| 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.                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                                                                                                                  |
| 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.                                                                                                                                                                                                                                                                                                          |
| NI   | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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.                                                                                                                                                                                                                                                                                                    |

### 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.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- 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.
- 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.
- 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.

Report Format: Data Usability Report





**Project Name:** 470 KENT AVENUE**Lab Number:** L1404619**Project Number:** 470K**Report Date:** 03/12/14**Data Qualifiers**

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

**Project Name:** 470 KENT AVENUE  
**Project Number:** 470K

**Lab Number:** L1404619  
**Report Date:** 03/12/14

## 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

Last revised December 11, 2013

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

### **Westborough Facility**

**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

**EPA 8330A/B:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 625:** 4-Chloroaniline, 4-Methylphenol.

**SM4500:** Soil: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

### **Mansfield Facility**

**EPA 8270D:** Biphenyl.

**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.

**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

### **Drinking Water**

**EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

**EPA 300.0:** 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**

**EPA 332:** Perchlorate.

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

### **Non-Potable Water**

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

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

**EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

**EPA 624:** Volatile Halocarbons & Aromatics,

**EPA 608:** 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:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

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



## CHAIN OF CUSTODY

## AIR ANALYSIS

PAGE 1 OF 1

320 Forbes Blvd, Mansfield, MA 02048  
TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: Teven Environmental

Address:

Phone:

Fax:

Email: mcmolte@teven-env.com☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

## Project Information

Project Name: 470 Kent AvenueProject Location: Brooklyn, NYProject #: 470KProject Manager: Matthew Connolly

ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)Date Due: 3/12/14 Time:Date Rec'd in Lab: 3/5/14

## Report Information - Data Deliverables

☐ FAX☐ ADEX

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☒ EMAIL (standard pdf report)☐ Additional Deliverables:

Report to: (if different than Project Manager)

Serial No: 03121415.12

ALPHA Job #: L14 041619

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements/Report Limits

| State/Fed | Program | Criteria |
|-----------|---------|----------|
|           |         |          |
|           |         |          |
|           |         |          |
|           |         |          |

## ANALYSIS

## All Columns Below Must Be Filled Out

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID | Collection |            |          |                |              |    | Sample Matrix* | Sampler's Initials | Can Size | I D Can | I D - Flow Controller | TO-14A | TO-15 | TO-15 | APH | FIXED | TO-13A | TO-41 | Sample Comments (i.e. PID) |
|--------------------------------|-----------|------------|------------|----------|----------------|--------------|----|----------------|--------------------|----------|---------|-----------------------|--------|-------|-------|-----|-------|--------|-------|----------------------------|
|                                |           | Date       | Start Time | End Time | Initial Vacuum | Final Vacuum |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
| 04619.01                       | SV3       | 3/2/14     | 1615       | 1715     | -2.147         | -0.01        | SV | MC             | 1L                 | 235      | 0100    | X                     |        |       |       |     |       |        |       | 0.0 PD                     |
| .02                            | SV1       | 3/4/14     | 1030       | 1205     | -24.22         | -4.19        | ↓  | ↓              | ↓                  | 568      | 0204    | X                     |        |       |       |     |       |        |       | 0.0 PID                    |
| .03                            | SV2       | ↓          | 1100       | 1300     | -21.90         | -8.82        | ↓  | ↓              | ↓                  | 877      | 0266    | X                     |        |       |       |     |       |        |       | 0.8 PID                    |
| .04                            | SV4       | ↓          | 1245       | 1445     | -32.72         | -7.70        | ↓  | ↓              | ↓                  | 907      | 0491    | X                     |        |       |       |     |       |        |       | -                          |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |        |       |                            |

## \*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

S

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.

Relinquished By:

Date/Time

Received By:

Date/Time:



# AIR ANALYSIS

## CHAIN OF CUSTODY

PAGE 1 OF 1

320 Forbes Blvd, Mansfield, MA 02048  
TEL: 508-822-9300 FAX: 508-822-3288

### Client Information

Client: Teven Environmental

Address:

Phone:

Fax:

Email: mcmolte@teven-env.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

### Project Information

Project Name: 470 Kent Avenue

Project Location: Brooklyn, NY

Project #: 470K

Project Manager: Matthew Connolly

ALPHA Quote #:

### Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/12/14 Time:

Date Rec'd in Lab: 3/5/14

### Report Information - Data Deliverables

☐ FAX

☐ ADEX

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☒ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

Serial No: 03121415.12

ALPHA Job #: L14 04/619

### Billing Information

☒ Same as Client Info

PO #:

### Regulatory Requirements/Report Limits

State/Fed

Program

Criteria

### ANALYSIS

### All Columns Below Must Be Filled Out

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID | Collection |            |          |                |              |    | Sample Matrix* | Sampler's Initials | Can Size | I D Can | I D - Flow Controller | TO-14A | TO-15 | TO-15 | APH | FIXED | TO-13 | TO-41 | Sample Comments (i.e. PID) |
|--------------------------------|-----------|------------|------------|----------|----------------|--------------|----|----------------|--------------------|----------|---------|-----------------------|--------|-------|-------|-----|-------|-------|-------|----------------------------|
|                                |           | Date       | Start Time | End Time | Initial Vacuum | Final Vacuum |    |                |                    |          |         |                       |        |       |       |     |       |       |       |                            |
| 04619.01                       | SV3       | 3/2/14     | 1615       | 1715     | -29.47         | -0.01        | SV | MC             | 1L                 | 335      | 0100    | X                     |        |       |       |     |       |       |       | 0.0 HD                     |
| .02                            | SV1       | 3/4/14     | 1030       | 1205     | -24.22         | -4.19        | ↓  | ↓              | ↓                  | 568      | 0204    | X                     |        |       |       |     |       |       |       | 0.0 PID                    |
| .03                            | SV2       | ↓          | 1100       | 1300     | -21.90         | -8.82        | ↓  | ↓              | ↓                  | 877      | 0266    | X                     |        |       |       |     |       |       |       | 0.8 PID                    |
| .04                            | SV4       | ↓          | 1245       | 1445     | -32.72         | -7.70        | ↓  | ↓              | ↓                  | 907      | 0491    | X                     |        |       |       |     |       |       |       | -                          |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |       |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |       |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |       |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |       |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |       |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |       |       |                            |
|                                |           |            |            |          |                |              |    |                |                    |          |         |                       |        |       |       |     |       |       |       |                            |

### \*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)  
SV = Soil Vapor/Landfill Gas/SVB  
Other = Please Specify

Container Type

S

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Relinquished By:

Date/Time

Received By:

Date/Time:

## Attachment 4

### *Laboratory Deliverables*