55-01 2nd Street

LONG ISLAND CITY, QUEENS, NEW YORK

Subsurface (Phase II) Investigation

AKRF Project Number: 11824

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1.0 INTRODUCTION

The project site consists of an approximately 329,600-square foot parcel located on the east side of 2nd Street in Long Island City, Queens (Tax Block 11, Lot 1) (the Site). The Site is occupied by a one-story warehouse, a three-story office building, a one–story garage, and paved parking/driveway areas. The Site was formerly operated by Anheuser-Bush Beer Distributors for the storage and distribution of beer, recycling of bottles and repair and maintenance for the service fleet. A portion of the Site was leased to NBC studios. The Site is bounded by 54th Avenue to the north, a one-story commercial building to the east, 2nd Street to the west and Newtown Creek to the south. The surrounding area is occupied by commercial and industrial properties. Newtown Creek has been designated by the United States Environmental Protection Agency (USEPA) as a National Priority List (NPL) site. The Site location is illustrated on Figure 1.

Previous environmental studies identified on-site areas of concerns (AOCs) involving: petroleum and solvent storage and usage, vehicle repair, automotive fueling, and a history of on- and off-site industrial and manufacturing activities. The results from prior testing indicate that groundwater beneath the Site has been affected with relatively low-level petroleum-related contamination, potentially attributable to former on-site storage and use and/or an off-site source. Prior soil results indicate that the Site is underlain by urban fill material containing semivolatile organic compounds (SVOCs) and select metals above New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs).

The purpose of this investigation was to conduct supplemental environmental investigation activities to further determine environmental conditions at the Site in support of a potential future transfer of ownership or redevelopment. The scope of this investigation was based on the findings of previous environmental investigations summarized in Section 2.0. The investigation was conducted on October 10, 2013, and included the collection of soil and groundwater samples for laboratory analysis.

2.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Phase I Environmental Site Assessment – 55-01 2nd Street, 54-01 2nd Street, 2-10 54th Avenue, 2-20 54th Avenue – Long Island City, N, Singer Environmental Group, February 7, 2006

Singer Environmental Group's (Singer) 2006 Phase I ESA identified potential sources of contamination at the Site, including: current and former petroleum storage tanks; former aboveground fuel oil and solvent tanks on the southwestern portion of the Site; former automotive-related operations, including gasoline and diesel storage tanks; a closed-status hydraulic oil spill reported for the property; the likely presence of urban fill, and a history of on- and off-site industrial and manufacturing activities.

As part of the Phase I ESA, Singer reviewed an underground storage tank (UST) Closure Report by Piazza Construction Corp. dated May 2000 documenting the removal of one 4,000-gallon gasoline UST and one 4,000-gallon diesel UST. According to the report, inspection of the tanks revealed no holes or corrosion, and no evidence of contamination was noted in the tank excavation. Six soil and two groundwater samples were laboratory analyzed, the results of which detected only methyl tert butyl ether (MTBE), a historic gasoline additive, in one groundwater sample; no other petroleum-related compounds were detected.

Based on the assessment; Singer recommended a subsurface (Phase II) investigation.

Phase II Subsurface Investigation – 55-01 2nd Street, 54-10 2nd Street, 2-10 54th Avenue and 2-20 54th Avenue, Queens, NY, Associated Environmental Services, Ltd., February 10, 2006

The 2006 Phase II included 14 soil borings and 5 groundwater samples from five AOCs identified at the Site. The samples were analyzed for volatile organic compounds (VOCs), SVOCs, polychlorinated biphenyls (PCBs), and metals. The soil results were compared to the NYSDEC SCOs listed in Technical Administrative Guidance Memorandum 4046, which was replaced later that year by NYSDEC 6 NYCRR Part 375 SCOs. The approximate locations of Associated Environmental Services' sampling locations are depicted on Figure 2. The findings are summarized below:

- MTBE was reported at 16 micrograms per liter (μg/L) in groundwater sample B-10 collected adjacent to two USTs near the northwestern corner of the Site. This value is slightly above the Class GA Ambient Water Quality Standards (AWQS) listed in NYSDEC Technical and Operational Guidance Series (1.1.1) of 10 μg/L.
- Benzene was detected at 0.7 μg/L, below the NYSDEC AWQS of 1 μg/L near the southwest corner of the Site.
- SVOCs and select metals commonly associated with urban fill in the NYC area were reported at various locations above NYSDEC SCOs.
- No VOCs or PCBs were detected in the soil above NYSDEC SCOs.

Site Assessment Report for the Underground Tank Removal – 55-01 2nd Street, Long Island City, NY, Empire Environmental Services, August 2011

The 2011 Site Assessment Report for Underground Tank Removal involved the removal of two 4,000-gallon USTs located near the northwest corner of the Site by the intersection of 54th Avenue and 2nd Street, west of the maintenance building. The report documents the removal two diesel USTs and the results of one groundwater and four soil samples collected from the perimeter of the excavation following the removal of the tanks. The diesel USTs had replaced the two 4,000-gallon tanks removed by Piazza Construction Corp. in 2000. The findings are summarized below:

- Two 4,000-gallon diesel tanks were permanently removed from the Site. The tanks were observed to be in good condition and there was no reported visual evidence of contamination in the surrounding soil and groundwater.
- The soil sample results indicated that the concentrations of VOCs in four sidewall samples collected from the tank excavation were within NYSDEC guidelines.
- SVOCs were present in the all excavation sidewall samples above NYSDEC guidelines at concentrations attributable to the urban fill.
- Three petroleum-related VOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and o-xylene) were present in the groundwater near the former tanks at concentrations above NYSDEC Class GA guidance values.

3.0 PHYSICAL SETTING

The surface topography is generally flat, sloping slightly to the south. Based on reports compiled by the U.S. Geological Survey (Brooklyn Quadrangle) the property lies at an elevation of approximately 20 feet above the National Geodetic Vertical Datum (NGVD) of 1929, an approximation of mean sea level and bedrock is expected to be present approximately 15 to 40 feet below grade. Groundwater was

encountered between five and eight feet below grade during this investigation and is expected to flow in a southeasterly direction, towards Newtown Creek. However, actual groundwater flow at the Site can be affected by many factors including local topography, bedrock geology, past pumping of groundwater, past filling activities, subsurface openings or obstructions such as basements, underground parking garages, underground utilities, and other factors beyond the scope of this study. Groundwater in this portion of Queens is not used as a source of potable water.

4.0 FIELD ACTIVITIES

Field activities were conducted on October 10, 2013 by AKRF personnel and Zebra Environmental Corp. (Zebra). Eight soil borings were advanced at the locations shown on Figure 2.

4.1 Soil and Groundwater Sampling and Analysis

The borings were advanced by Zebra using a truck-mounted Geoprobe® direct push probe (DPP) unit. The borings were advanced to 10 feet below grade (below the soil-groundwater interface). Eight soil samples, one from each boring, were collected from the borings for laboratory analysis using five-foot long, two-inch diameter, stainless steel macrocore piston rod samplers fitted with an internal acetate liner. The sample collection interval was selected based on field observations and intended to collect samples from varying depths. One groundwater sample was collected from each boring via a temporary well point installed in the boring; no permanent monitoring wells were installed.

At each boring location, AKRF field personnel recorded and documented subsurface conditions. Soil samples were also field-screened using a photoionization detector (PID), which measures relative concentrations of VOCs in the soil. Soil boring logs are provided in Appendix A.

Samples slated for laboratory analysis were placed in laboratory-supplied containers in accordance with EPA protocols. The soil and groundwater samples were analyzed by Alpha Analytical Laboratories, a New York State Department of Health ELAP-certified laboratory, for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270. For quality assurance/quality control (QA/QC) purposes, a trip blank was shipped to the lab with the collected samples. The trip blank was analyzed for VOCs using EPA Method 8260 to check for contamination during transport and sampling procedures.

4.2 Field Observations

Urban fill (generally silty sand with gravel and brick) was observed from the surface to approximately 10 feet below grade in each boring. Groundwater was encountered approximately five to eight feet below grade. Bedrock was not encountered during this investigation.

Soil was field-screened with a photoionization detector (PID) to measure relative concentrations of VOCs. PID readings up to 153 parts per million (ppm) and a slight petroleum-like odor were noted in soil from boring SB-3 from approximately four to eight feet below grade, near the northwest corner of the Site. A slight sheen was noted on the acetate liner at approximately six feet below grade. No elevated PID readings or other evidence of contamination was observed in the remaining sample locations. Results of the field screening are provided in the soil borings logs provided in Appendix A.

5.0 FINDINGS

5.1 Soil Analysis Results

Soil sampling results were compared to NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs) and Part 375 Soil Cleanup Objectives for Restricted–Commercial Use (CSCOs). Soil laboratory analytical results are summarized in Tables 1 and 2. The complete laboratory analytical data sheets are located in Appendix B.

Volatile Organic Compounds

Acetone was detected in sample SB-4 at a concentration of 0.37 mg/kg, above the USCO of 0.05 mg/kg, but below the CSCO of 500 mg/kg. Acetone is a common laboratory contaminant and not necessarily indicative of a release or spill. However, acetone was not detected in the associated laboratory method blank, and based on the level detected, an on-site source cannot be ruled out.

No other VOCs were detected above USCOs.

Semivolatile Organic Compounds

SVOCs were detected in seven of the eight soil samples at concentration exceeding both USCOs and CSCOs, ranging from 0.6 mg/kg to 71 mg/kg. All detected SVOCs were polycyclic aromatic hydrocarbons (PAHs), a class of compounds found in coal ash and urban fill as well as some petroleum products. Urban fill was noted in soil from all of the borings. Based on the specific compounds detected (and the absence of naphthalene), and the distribution and concentrations detected, the SVOCs are attributable to the fill.

5.2 Groundwater Analysis Results

Groundwater sample analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards (AWQS); however, groundwater in Queens is not used as a potable source and the AWQSs are used for comparison purposes only. Groundwater laboratory analysis results are summarized in Tables 3 and 4. The complete laboratory analytical data sheets are located in Appendix B.

Volatile Organic Compounds

Benzene was detected in sample TW-2 at a concentration of 2.4 μg/L, above the AWQS of 1 μg/L. Benzene is a common component of gasoline. No other VOCs were detected above AWQS in the analyzed samples.

Semivolatile Organic Compounds

SVOCs were detected at concentrations exceeding AWQS in samples, TW-1, TW-2, TW-3, TW-6 and TW-7, as shown in Table 4. Naphthalene was detected in TW-2 at a concentration of 24 μg/L, above the AWQS of 10 μg/L. Naphthalene is often attributed to petroleum contamination. The remainder of the SVOC concentrations detected were significantly lower and were also detected in the soil samples analyzed during the investigation; therefore, their presence is likely attributable to turbidity in the groundwater samples collected using the Geoprobe drilling system.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

AKRF, Inc. (AKRF) conducted a subsurface (Phase II) investigation at 55-01 2nd Street in Queens (Tax Block 11, Lot 1). At the time of the investigation, the project Site was occupied by an active warehouse with a loading dock on the southern portion of the Site, a food service warehouse, and a building utilized by NBC.

The investigation was intended to supplement previous environmental studies to determine whether current or former on- or off-site activities have adversely affected the Site. Eight soil samples and eight groundwater samples were collected as part of this investigation. The soil and groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260 and semivolatile organic compounds (SVOCs) by EPA Method 8270.

Soil sample analytical results were compared to NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs) and Part 375 Restricted–Commercial Use Soil Cleanup Objectives (CSCOs). Groundwater sample analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards (AWQS), which are intended for current or potential potable water supplies, even though groundwater in this area of Queens is not a potable source.

Fill material (generally sand and silt mixed with gravel and brick) was encountered in all eight borings from the surface to approximately 10 feet below grade. Although not always visible in the soil, small particles of asphalt, coal and ash are also common in fill. Groundwater was encountered between five to eight feet below grade during this investigation.

Acetone was detected in one soil sample at a concentration above the USCO but below the CSCO. Acetone is a common laboratory contaminant; however, acetone was not detected in the associated laboratory method blank, and based on the level detected, an on-site source cannot be ruled out. No other VOCs were detected in the soil samples above NYSDEC USCOs. SVOCs were detected in seven of eight soil samples at concentrations above NYSDEC's CSCOs. All detected SVOCs were polycyclic aromatic hydrocarbons (PAHs), a class of compounds found in coal ash and urban fill as well as some petroleum products. The site-wide presence of SVOCs is attributable to urban fill, which was observed in all of the borings advanced at the site.

Benzene and naphthalene were detected in groundwater sample TW-2 at a concentration above the NYSDEC AWQS. These compounds suggest that groundwater has been affected by petroleum; however, naphthalene was not detected in two upgradient groundwater samples, TW-1 and TW-7, and only a trace level of benzene was detected in TW-7. Therefore, based on locations and presumed groundwater flow direction, the benzene and naphthalene detected in TW-2 are not likely from the former petroleum tanks identified by the previous reports/assessments and the detections are likely attributable to regional groundwater conditions. The SVOC compounds detected in groundwater sample TW-2 were also found in the soil sample from that boring and, since the groundwater samples were not filtered, some of the impact may be from particles of fill entrained in the sample during the collection process. Furthermore, no evidence of petroleum-related contamination was observed in the overlying sampled soil in TW-2 (i.e., odors, staining or elevated PID readings).

In addition to the naphthalene in TW-2, significantly lower concentrations SVOCs were detected in five of the eight groundwater samples in excess of Class GA standards. The detected compounds were also detected in the soil samples analyzed during the investigation and their presence is attributable to the particles of urban fill entrained in the samples.

A petroleum odor and sheen were noted at the water table during the advancement of soil boring SB-3 located in the area of the former 4,000-gallon gasoline and diesel underground storage tanks (USTs).

However, the analytical results of the soil and groundwater sample from this boring did not detect VOCs or SVOCs indicative of an on-site petroleum-related release. According to the previous reports outlined in Section 2.0, the analytical results of soil samples collected during the removal of these tanks in 2000 and 2011 did not detect significant evidence of a release from the tanks. During the 2000 UST removal conducted by Piazza Construction Corp., MTBE was the only compound detected in one of two groundwater samples collected, and the report indicated that no holes or corrosion were noted on the tanks and no evidence of releases were noted in the excavation. Similarly, the Phase II investigation conducted by Associated Environmental Services, Ltd. also detected MTBE in the groundwater sample collected from the area of the former USTs, with no other VOCs or SVOCs detected. During the 2011 UST removal conducted by Empire Environmental Services, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and xylene were detected in the groundwater sample collected, but the report indicated that the tanks were in good condition and no evidence of contamination was noted.

MTBE is typically the leading edge of a gasoline contaminant plume. Because no other petroleum-related compounds were detected in the 2000 post-removal groundwater sample collected by Piazza Construction Corp., the MTBE is likely from an off-site, upgradient source. Since no concentrations of VOCs or SVOCs were detected in the groundwater samples indicative of a significant release from the USTs, the levels of VOCs detected in groundwater by the previous testing conducted in this area are attributable to an upgrdient, off-site source or regional groundwater conditions. Based on the February 7, 2006 Phase I ESA by Singer Environmental Group, the surrounding area has a history of manufacturing and automotive-related uses, including sites with gasoline tanks. As such, the odor and sheen identified by AKRF at the water table in soil boring location SB-3 are either evidence of an off-site release, or they represent de minimis residual impact from the past tank removal activities.

6.2 Recommendations

Although the distribution and concentrations of petroleum-related compounds detected in groundwater by this and the previous investigations suggest that the impact is attributable to regional groundwater conditions, an on-site source not identified by this investigation cannot be ruled out. Based on the findings of the Phase II investigation and prior environmental reports, our recommendations include:

- If future development of the Site includes soil disturbance, any petroleum contamination potentially encountered in soil and/or groundwater should be reported and remediated in accordance with all applicable regulations. Any unforeseen on-site petroleum storage tanks encountered should be properly closed and removed in accordance with NYSDEC and/or FDNY requirements prior to redevelopment. Contaminated soil (and all other materials requiring off-site disposal) should be disposed of in accordance with applicable federal, state and local requirements. Prior to any future development activities involving soil disturbance where elevated petroleum-related compounds were previously detected, additional subsurface testing in these areas may be warranted to ascertain subsurface conditions and properly plan for the management of potential contamination that may be encountered.
- Based on this and the previous investigations conducted, on-site soil include urban fill containing SVOCs and metals. Any soil or fill excavated as part of future Site development activities should be managed in accordance with applicable regulations. As noted in Section 8.0, soil intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility. Transportation of material leaving the Site for off-site disposal must be in accordance with federal, state and local regulatory requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- Due to the presence of VOCs detected in the soil and groundwater at the Site, a vapor barrier should be included in the design of any proposed new buildings to reduce the potential for vapor intrusion.

- If dewatering is necessary for future development activities, it should be conducted in accordance with a New York City Department of Environmental Protection (NYCDEP) sewer discharge permit. It should be noted, that although the level of Benzene in groundwater sample TW-1 was below the NYCDEP limitations for effluent to sanitary or combined sewers, additional groundwater testing, and possibly pre-treatment (dependent upon the testing results), may be necessary to comply with NYCDEP requirements.

7.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the Site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the Site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by Kramer Levin Naftalis & Frankel LLP. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

8.0 SOIL DISPOSAL ISSUES

In addition to the discussions in the Conclusions, Recommendations, and Limitations Sections (Sections 6.0 and 7.0), the issue of appropriate management of off-site disposal of soil warrants careful consideration. Any material being disposed of off-site is a regulated waste, and disposal must be in accordance with:

- Requirements of the specific receiving facility;
- Requirements of any agencies overseeing the cleanup/excavation; and
- Federal and state requirements (sometimes in both the state where the soil is generated and where disposal will occur).

For hazardous wastes and petroleum-contaminated soil (and other 'clearly contaminated' materials), the requirements are usually fairly well defined. It is in the situation where contamination is not readily apparent (e.g., so called "historic or urban fill" or "construction and demolition debris" or material that may have been formerly identified as "clean fill") that present the greatest potential for problems and cost overruns. Even on sites where no contamination requiring remediation is identified, it is common that most of the excavated material is considered "contaminated" for purposes of waste disposal. Concentrations of the various contaminants in historic fill can be highly variable, and upon further testing, the material could contain higher contaminant concentrations than outlined in this investigation. Portions of this material could be classified as hazardous waste.

It is important that the intended disposal facility (or facilities) be identified in advance of off-site disposal. Agency approval is sometimes required for disposal, and the facility will frequently require additional testing prior to (and sometimes at the time of) accepting material. Material must conform to a lengthy list of requirements based on both chemical composition and sometimes numerous other parameters (related to size, percentage of liquids, presence of odors, etc.) for acceptance at the facility. Assuming (or allowing a contractor to assume) that all, or even most, of the soil from a site can be disposed of at minimal cost may result in unanticipated and expensive change orders.

For these reasons, we recommend that professional advice be sought prior to preparing bid documents and contracts incorporating soil disposal.

9.0 REFERENCES

1. U.S. Geological Survey; *Central Park, N. Y. Quadrangle*, 7.5 minute Series (Topographic), Scale 1:24,000, 1966, Photorevised 1995.
2. U.S. Geological Survey; *Reconnaissance of the Ground-Water Resources of Kings and Queens Counties, New York*; U.S. Geological Survey, Open-File Report 81-1186, 1981.
3. U.S. Geological Survey; *Fact Sheet FS 134-97: Water-Table Altitude in Kings and Queens Counties, New York, in March 1997*, November 1997.
4. *Phase I Environmental Site Assessment – 55-01 2nd Street, 54-01 2nd Street, 2-10 54th Avenue, and 2-20 54th Avenue – Long Island City, New York*, Singer Environmental Group, February 7, 2006.
5. *Phase II Subsurface Investigation – 55-01 2nd Street, 54-01 2nd Street, 2-10 54th Avenue, and 2-20 54th Avenue – Long Island City, Queens, New York*, Associated Environmental Services, Ltd., February 10, 2006.
6. *Site Assessment Report for Underground Storage Tank Removal –55-01 2nd Street, Long Island City, New York*, Empire Environmental Services, August 1, 2011.

TABLES

Table 1
55-01 2nd Street
Queens, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-1 (4-5) L1320481-01 10/10/2013	SB-2 (4-5) L1320481-02 10/10/2013	SB-3 (4-5) L1320481-03 10/10/2013	SB-4 (2-3) L1320481-04 10/10/2013
1,1,1,2-Tetrachloroethane	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0011 U
1,1,1-Trichloroethane	0.68	500	0.0012 U	0.0011 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	NS	NS	0.0017 U	0.0017 U	0.0017 U	0.0016 U
1,1-Dichloroethane	0.27	240	0.0017 U	0.0017 U	0.0017 U	0.0016 U
1,1-Dichloroethene	0.33	500	0.0012 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloropropene	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,2,3-Trichlorobenzene	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,2,3-Trichloropropane	NS	NS	0.012 U	0.011 U	0.011 U	0.011 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0046 U	0.0045 U	0.024	0.0044 U
1,2,4-Trichlorobenzene	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,2,4-Trimethylbenzene	3.6	190	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,2-Dibromo-3-chloropropane	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,2-Dibromoethane	NS	NS	0.0046 U	0.0045 U	0.0046 U	0.0044 U
1,2-Dichlorobenzene	1.1	500	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,2-Dichloroethane	0.02	30	0.0012 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloropropane	NS	NS	0.004 U	0.004 U	0.004 U	0.0038 U
1,3,5-Trimethylbenzene	8.4	190	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,3-Dichlorobenzene	2.4	280	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,3-Dichloropropane	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,4-Dichlorobenzene	1.8	130	0.0058 U	0.0057 U	0.0057 U	0.0055 U
1,4-Diethylbenzene	NS	NS	0.0046 U	0.0045 U	0.0046 U	0.0044 U
1,4-Dioxane	0.1	130	0.12 U	0.11 U	0.11 U	0.11 U
2,2-Dichloropropane	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
2-Butanone	0.12	500	0.0032 J	0.011 U	0.011 U	0.077
2-Hexanone	NS	NS	0.012 U	0.011 U	0.011 U	0.011 U
4-Ethyltoluene	NS	NS	0.0046 U	0.0045 U	0.0046 U	0.0044 U
4-Methyl-2-pentanone	NS	NS	0.012 U	0.011 U	0.011 U	0.011 U
Acetone	0.05	500	0.021	0.008 J	0.011 U	0.37 E
Acrylonitrile	NS	NS	0.012 U	0.011 U	0.011 U	0.011 U
Benzene	0.06	44	0.0012 U	0.00023 J	0.0011 U	0.00054 J
Bromobenzene	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
Bromochloromethane	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
Bromodichloromethane	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Bromoform	NS	NS	0.0046 U	0.0045 U	0.0046 U	0.0044 U
Bromomethane	NS	NS	0.001 J	0.00088 J	0.00063 J	0.001 J
Carbon disulfide	NS	NS	0.012 U	0.011 U	0.011 U	0.0025 J
Carbon tetrachloride	0.76	22	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	500	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Chloroethane	NS	NS	0.0023 U	0.0023 U	0.0023 U	0.0022 U
Chloroform	0.37	350	0.0017 U	0.0017 U	0.0017 U	0.0016 U
Chloromethane	NS	NS	0.0058 U	0.0011 J	0.0057 U	0.0016 J
cis-1,2-Dichloroethene	0.25	500	0.0012 U	0.0011 U	0.0011 U	0.0011 U
cis-1,3-Dichloropropene	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Dibromochloromethane	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Dibromomethane	NS	NS	0.012 U	0.011 U	0.011 U	0.011 U
Dichlorodifluoromethane	NS	NS	0.012 U	0.011 U	0.011 U	0.011 U
Ethyl ether	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
Ethylbenzene	1	390	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Hexachlorobutadiene	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
Isopropylbenzene	NS	NS	0.0012 U	0.0011 U	0.0021	0.0011 U
Methyl tert butyl ether	0.93	500	0.0023 U	0.0023 U	0.0023 U	0.0022 U
Methylene chloride	0.05	500	0.012 U	0.0027 J	0.011 U	0.0042 J
n-Butylbenzene	12	500	0.0012 U	0.0011 U	0.0011 U	0.0011 U
n-Propylbenzene	3.9	500	0.0012 U	0.0011 U	0.0011 U	0.0011 U
o-Chlorotoluene	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
o-Xylene	0.26	500	0.0023 U	0.0023 U	0.0023 U	0.0022 U
p-Chlorotoluene	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
p-Isopropyltoluene	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0011 U
p/m-Xylene	0.26	500	0.0023 U	0.0023 U	0.0023 U	0.0022 U
sec-Butylbenzene	11	500	0.0012 U	0.0011 U	0.0064	0.0011 U
Styrene	NS	NS	0.0023 U	0.0023 U	0.0023 U	0.0022 U
tert-Butylbenzene	5.9	500	0.0058 U	0.0057 U	0.0054 J	0.0055 U
Tetrachloroethene	1.3	150	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Toluene	0.7	500	0.0017 U	0.0017 U	0.0017 U	0.0004 J
trans-1,2-Dichloroethene	0.19	500	0.0017 U	0.0017 U	0.0017 U	0.0016 U
trans-1,3-Dichloropropene	NS	NS	0.0012 U	0.0011 U	0.0011 U	0.0011 U
trans-1,4-Dichloro-2-butene	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
Trichloroethene	0.47	200	0.0012 U	0.0011 U	0.0011 U	0.0011 U
Trichlorofluoromethane	NS	NS	0.0058 U	0.0057 U	0.0057 U	0.0055 U
Vinyl acetate	NS	NS	0.012 U	0.011 U	0.011 U	0.011 U
Vinyl chloride	0.02	13	0.0023 U	0.0023 U	0.0023 U	0.0022 U

Table 1
55-01 2nd Street
Queens, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-5 (7-8) L1320481-05 10/10/2013	SB-6 (7-8) L1320481-06 10/10/2013	SB-7 (4-5) L1320481-07 10/10/2013	SB-8 (4-5) L1320481-08 10/10/2013
1,1,1,2-Tetrachloroethane	NS	NS	0.0012 U	0.0012 U	0.0012 U	0.0012 U
1,1,1-Trichloroethane	0.68	500	0.0012 U	0.0012 U	0.0012 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 U	0.0012 U	0.0012 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	0.0017 U	0.0018 U	0.0019 U	0.0018 U
1,1-Dichloroethane	0.27	240	0.0017 U	0.0018 U	0.0019 U	0.0018 U
1,1-Dichloroethene	0.33	500	0.0012 U	0.0012 U	0.0012 U	0.0012 U
1,1-Dichloropropene	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,2,3-Trichlorobenzene	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,2,3-Trichloropropane	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0046 U	0.0048 U	0.005 U	0.0048 U
1,2,4-Trichlorobenzene	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,2,4-Trimethylbenzene	3.6	190	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,2-Dibromo-3-chloropropane	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,2-Dibromoethane	NS	NS	0.0046 U	0.0048 U	0.005 U	0.0048 U
1,2-Dichlorobenzene	1.1	500	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,2-Dichloroethane	0.02	30	0.0012 U	0.0012 U	0.0012 U	0.0012 U
1,2-Dichloropropane	NS	NS	0.0041 U	0.0042 U	0.0044 U	0.0042 U
1,3,5-Trimethylbenzene	8.4	190	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,3-Dichlorobenzene	2.4	280	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,3-Dichloropropane	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,4-Dichlorobenzene	1.8	130	0.0058 U	0.0061 U	0.0063 U	0.006 U
1,4-Diethylbenzene	NS	NS	0.0046 U	0.0048 U	0.005 U	0.0048 U
1,4-Dioxane	0.1	130	0.12 U	0.12 U	0.12 U	0.12 U
2,2-Dichloropropane	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
2-Butanone	0.12	500	0.012 U	0.012 U	0.0016 J	0.012 U
2-Hexanone	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U
4-Ethyltoluene	NS	NS	0.0046 U	0.0048 U	0.005 U	0.0048 U
4-Methyl-2-pentanone	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U
Acetone	0.05	500	0.014	0.025	0.011 J	0.012 U
Acrylonitrile	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U
Benzene	0.06	44	0.0012 U	0.0012 U	0.00036 J	0.0012 U
Bromobenzene	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
Bromochloromethane	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
Bromodichloromethane	NS	NS	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Bromoform	NS	NS	0.0046 U	0.0048 U	0.005 U	0.0048 U
Bromomethane	NS	NS	0.0023 U	0.00061 J	0.00052 J	0.0024 U
Carbon disulfide	NS	NS	0.012 U	0.012 U	0.0052 J	0.012 U
Carbon tetrachloride	0.76	22	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	500	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Chloroethane	NS	NS	0.0023 U	0.0024 U	0.0025 U	0.0024 U
Chloroform	0.37	350	0.0017 U	0.0018 U	0.0019 U	0.0018 U
Chloromethane	NS	NS	0.0058 U	0.0061 U	0.0015 J	0.006 U
cis-1,2-Dichloroethene	0.25	500	0.0012 U	0.0012 U	0.0012 U	0.0012 U
cis-1,3-Dichloropropene	NS	NS	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Dibromochloromethane	NS	NS	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Dibromomethane	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U
Dichlorodifluoromethane	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U
Ethyl ether	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
Ethylbenzene	1	390	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Hexachlorobutadiene	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
Isopropylbenzene	NS	NS	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Methyl tert butyl ether	0.93	500	0.0023 U	0.0024 U	0.0025 U	0.0024 U
Methylene chloride	0.05	500	0.0033 J	0.012 U	0.012 U	0.012 U
n-Butylbenzene	12	500	0.0012 U	0.0012 U	0.0012 U	0.0012 U
n-Propylbenzene	3.9	500	0.0012 U	0.0012 U	0.0012 U	0.0012 U
o-Chlorotoluene	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
o-Xylene	0.26	500	0.0023 U	0.0024 U	0.0025 U	0.0024 U
p-Chlorotoluene	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
p-Isopropyltoluene	NS	NS	0.0012 U	0.0012 U	0.0012 U	0.0012 U
p/m-Xylene	0.26	500	0.0023 U	0.0024 U	0.0025 U	0.0024 U
sec-Butylbenzene	11	500	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Styrene	NS	NS	0.0023 U	0.0024 U	0.0025 U	0.0024 U
tert-Butylbenzene	5.9	500	0.0058 U	0.0061 U	0.0063 U	0.006 U
Tetrachloroethene	1.3	150	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Toluene	0.7	500	0.00027 J	0.0018 U	0.0019 U	0.0018 U
trans-1,2-Dichloroethene	0.19	500	0.0017 U	0.0018 U	0.0019 U	0.0018 U
trans-1,3-Dichloropropene	NS	NS	0.0012 U	0.0012 U	0.0012 U	0.0012 U
trans-1,4-Dichloro-2-butene	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
Trichloroethene	0.47	200	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Trichlorofluoromethane	NS	NS	0.0058 U	0.0061 U	0.0063 U	0.006 U
Vinyl acetate	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U
Vinyl chloride	0.02	13	0.0023 U	0.0024 U	0.0025 U	0.0024 U

Table 2
55-01 2nd Street
Queens, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-1 (4-5) L1320481-01 10/10/2013 1	SB-2 (4-5) L1320481-02 10/10/2013 2/4 †	SB-3 (4-5) L1320481-03 10/10/2013 4	SB-4 (2-3) L1320481-04 10/10/2013 2
1,2,4,5-Tetrachlorobenzene	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
1,2,4-Trichlorobenzene	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
1,2-Dichlorobenzene	1.1	500	0.19 U	0.37 U	0.75 U	0.35 U
1,3-Dichlorobenzene	2.4	280	0.19 U	0.37 U	0.75 U	0.35 U
1,4-Dichlorobenzene	1.8	130	0.19 U	0.37 U	0.75 U	0.35 U
2,4,5-Trichlorophenol	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
2,4,6-Trichlorophenol	NS	NS	0.11 U	0.22 U	0.45 U	0.21 U
2,4-Dichlorophenol	NS	NS	0.17 U	0.33 U	0.68 U	0.32 U
2,4-Dimethylphenol	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
2,4-Dinitrophenol	NS	NS	0.91 U	1.8 U	3.6 U	1.7 U
2,4-Dinitrotoluene	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
2,6-Dinitrotoluene	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
2-Chloronaphthalene	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
2-Chlorophenol	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
2-Methylnaphthalene	NS	NS	0.099 J	0.55	0.9 U	0.27 J
2-Methylphenol	0.33	500	0.19 U	0.37 U	0.75 U	0.35 U
2-Nitroaniline	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
2-Nitrophenol	NS	NS	0.41 U	0.8 U	1.6 U	0.76 U
3,3'-Dichlorobenzidine	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
3-Methylphenol/4-Methylphenol	0.33	500	0.27 U	0.53 U	1.1 U	0.51 U
3-Nitroaniline	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
4,6-Dinitro-o-cresol	NS	NS	0.49 U	0.96 U	2 U	0.92 U
4-Bromophenyl phenyl ether	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
4-Chloroaniline	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
4-Chlorophenyl phenyl ether	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
4-Nitroaniline	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
4-Nitrophenol	NS	NS	0.27 U	0.52 U	1 U	0.5 U
Acenaphthene	20	500	0.18	1.3	0.6 U	0.36
Acenaphthylene	100	500	0.055 J	0.29 J	0.6 U	0.28
Acetophenone	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Anthracene	100	500	0.36	4.3	1.3	0.53
Benzo(a)anthracene	1	5.6	1.4	8.9	3.5	1.4
Benzo(a)pyrene	1	1	2.4	8.3	3.8	1.5
Benzo(b)fluoranthene	1	5.6	2.6	10	4.2	2
Benzo(ghi)perylene	100	500	1.9	5.2	2.3	0.98
Benzo(k)fluoranthene	0.8	56	0.95	4.2	1.5	0.73
Benzoic Acid	NS	NS	0.62 U	1.2 U	2.4 U	1.1 U
Benzyl Alcohol	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Biphenyl	NS	NS	0.43 U	0.23 J	1.7 U	0.81 U
Bis(2-chloroethoxy)methane	NS	NS	0.2 U	0.4 U	0.81 U	0.38 U
Bis(2-chloroethyl)ether	NS	NS	0.17 U	0.33 U	0.68 U	0.32 U
Bis(2-chloroisopropyl)ether	NS	NS	0.23 U	0.44 U	0.9 U	0.42 U
Bis(2-Ethylhexyl)phthalate	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Butyl benzyl phthalate	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Carbazole	NS	NS	0.17 J	0.55	0.75 U	0.17 J
Chrysene	1	56	1.4	9.9	3.8	1.6
Dibenzo(a,h)anthracene	0.33	0.56	0.49	1.3	0.6	0.24
Dibenzofuran	7	350	0.097 J	0.97	0.75 U	0.21 J
Diethyl phthalate	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Dimethyl phthalate	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Di-n-butylphthalate	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Di-n-octylphthalate	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Fluoranthene	100	500	2	19	7	2.6
Fluorene	30	500	0.11 J	0.9	1.1	0.28 J
Hexachlorobenzene	0.33	6	0.11 U	0.22 U	0.45 U	0.21 U
Hexachlorobutadiene	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Hexachlorocyclopentadiene	NS	NS	0.54 U	1 U	2.2 U	1 U
Hexachloroethane	NS	NS	0.15 U	0.3 U	0.6 U	0.28 U
Indeno(1,2,3-cd)Pyrene	0.5	5.6	2.1	5.9	2.2	1
Isophorone	NS	NS	0.17 U	0.33 U	0.68 U	0.32 U
Naphthalene	12	500	0.15 J	0.58	0.75 U	0.98
Nitrobenzene	NS	NS	0.17 U	0.33 U	0.68 U	0.32 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	0.15 U	0.3 U	0.6 U	0.28 U
n-Nitrosodi-n-propylamine	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
P-Chloro-M-Cresol	NS	NS	0.19 U	0.37 U	0.75 U	0.35 U
Pentachlorophenol	0.8	6.7	0.15 U	0.3 U	0.6 U	0.28 U
Phenanthrene	100	500	1.5	18	0.42 J	1.9
Phenol	0.33	500	0.19 U	0.37 U	0.75 U	0.35 U
Pyrene	100	500	1.9	17	7.6	2.4

Note: † = Dilution rate varies.

Table 2
55-01 2nd Street
Queens, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-5 (7-8) L1320481-05 10/10/2013 1	SB-6 (7-8) L1320481-06 10/10/2013 5	SB-7 (4-5) L1320481-07 10/10/2013 10	SB-8 (4-5) L1320481-08 10/10/2013 20
1,2,4,5-Tetrachlorobenzene	NS	NS	0.19 U	0.99 U	2 U	4 U
1,2,4-Trichlorobenzene	NS	NS	0.19 U	0.99 U	2 U	4 U
1,2-Dichlorobenzene	1.1	500	0.19 U	0.99 U	2 U	4 U
1,3-Dichlorobenzene	2.4	280	0.19 U	0.99 U	2 U	4 U
1,4-Dichlorobenzene	1.8	130	0.19 U	0.99 U	2 U	4 U
2,4,5-Trichlorophenol	NS	NS	0.19 U	0.99 U	2 U	4 U
2,4,6-Trichlorophenol	NS	NS	0.12 U	0.6 U	1.2 U	2.4 U
2,4-Dichlorophenol	NS	NS	0.17 U	0.89 U	1.8 U	3.6 U
2,4-Dimethylphenol	NS	NS	0.19 U	0.99 U	2 U	4 U
2,4-Dinitrophenol	NS	NS	0.93 U	4.8 U	9.9 U	19 U
2,4-Dinitrotoluene	NS	NS	0.19 U	0.99 U	2 U	4 U
2,6-Dinitrotoluene	NS	NS	0.19 U	0.99 U	2 U	4 U
2-Chloronaphthalene	NS	NS	0.19 U	0.99 U	2 U	4 U
2-Chlorophenol	NS	NS	0.19 U	0.99 U	2 U	4 U
2-Methylnaphthalene	NS	NS	0.46	0.36 J	2.1 J	4.7 U
2-Methylphenol	0.33	500	0.19 U	0.99 U	2 U	4 U
2-Nitroaniline	NS	NS	0.19 U	0.99 U	2 U	4 U
2-Nitrophenol	NS	NS	0.42 U	2.1 U	4.4 U	8.5 U
3,3'-Dichlorobenzidine	NS	NS	0.19 U	0.99 U	2 U	4 U
3-Methylphenol/4-Methylphenol	0.33	500	0.28 U	1.4 U	3 U	5.7 U
3-Nitroaniline	NS	NS	0.19 U	0.99 U	2 U	4 U
4,6-Dinitro-o-cresol	NS	NS	0.5 U	2.6 U	5.4 U	10 U
4-Bromophenyl phenyl ether	NS	NS	0.19 U	0.99 U	2 U	4 U
4-Chloroaniline	NS	NS	0.19 U	0.99 U	2 U	4 U
4-Chlorophenyl phenyl ether	NS	NS	0.19 U	0.99 U	2 U	4 U
4-Nitroaniline	NS	NS	0.19 U	0.99 U	2 U	4 U
4-Nitrophenol	NS	NS	0.27 U	1.4 U	2.9 U	5.5 U
Acenaphthene	20	500	0.12 J	0.86	3.2	2.3 J
Acenaphthylene	100	500	0.088 J	1.4	2.2	10
Acetophenone	NS	NS	0.19 U	0.99 U	2 U	4 U
Anthracene	100	500	0.19	4.1	13	15
Benzo(a)anthracene	1	5.6	0.5	9.7	40	52
Benzo(a)pyrene	1	1	0.51	9.9	62	59
Benzo(b)fluoranthene	1	5.6	0.85	11	70	71
Benzo(ghi)perylene	100	500	0.38	4.7	40	38
Benzo(k)fluoranthene	0.8	56	0.27	4.9	24	27
Benzoic Acid	NS	NS	0.63 U	3.2 U	6.7 U	13 U
Benzyl Alcohol	NS	NS	0.19 U	0.99 U	2 U	4 U
Biphenyl	NS	NS	0.11 J	2.3 U	4.7 U	9 U
Bis(2-chloroethoxy)methane	NS	NS	0.21 U	1.1 U	2.2 U	4.3 U
Bis(2-chloroethyl)ether	NS	NS	0.17 U	0.89 U	1.8 U	3.6 U
Bis(2-chloroisopropyl)ether	NS	NS	0.23 U	1.2 U	2.5 U	4.7 U
Bis(2-Ethylhexyl)phthalate	NS	NS	0.51	0.99 U	2 U	4 U
Butyl benzyl phthalate	NS	NS	0.19 U	0.99 U	2 U	4 U
Carbazole	NS	NS	0.19 U	0.75 J	2.5	4 U
Chrysene	1	56	0.9	11	39	52
Dibenzo(a,h)anthracene	0.33	0.56	0.12	1.7	12	8.5
Dibenzofuran	7	350	0.16 J	0.63 J	2 U	1.9 J
Diethyl phthalate	NS	NS	0.19 U	0.99 U	2 U	4 U
Dimethyl phthalate	NS	NS	0.19 U	0.99 U	2 U	4 U
Di-n-butylphthalate	NS	NS	0.19 U	0.99 U	2 U	4 U
Di-n-octylphthalate	NS	NS	0.19 U	0.99 U	2 U	4 U
Fluoranthene	100	500	1.1	20	66	120
Fluorene	30	500	0.087 J	1.2	3.4	2.9 J
Hexachlorobenzene	0.33	6	0.12 U	0.6 U	1.2 U	2.4 U
Hexachlorobutadiene	NS	NS	0.19 U	0.99 U	2 U	4 U
Hexachlorocyclopentadiene	NS	NS	0.55 U	2.8 U	5.9 U	11 U
Hexachloroethane	NS	NS	0.15 U	0.79 U	1.6 U	3.2 U
Indeno(1,2,3-cd)Pyrene	0.5	5.6	0.39	6	48	42
Isophorone	NS	NS	0.17 U	0.89 U	1.8 U	3.6 U
Naphthalene	12	500	0.48	0.7 J	18	3.2 J
Nitrobenzene	NS	NS	0.17 U	0.89 U	1.8 U	3.6 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	0.15 U	0.79 U	1.6 U	3.2 U
n-Nitrosodi-n-propylamine	NS	NS	0.19 U	0.99 U	2 U	4 U
P-Chloro-M-Cresol	NS	NS	0.19 U	0.99 U	2 U	4 U
Pentachlorophenol	0.8	6.7	0.15 U	0.79 U	1.6 U	3.2 U
Phenanthrene	100	500	1.3	13	22	42
Phenol	0.33	500	0.19 U	0.99 U	2 U	4 U
Pyrene	100	500	0.91	17	47	110

Note: † = Dilution rate varies.

Table 3
55-01 2nd Street
Queens, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-1 L1320481-09 10/10/2013	TW-2 L1320481-10 10/10/2013	TW-3 L1320481-11 10/10/2013	TW-4 L1320481-12 10/10/2013	TW-5 L1320481-13 10/10/2013
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	2 U	1.6 J	2 U	2 U
1,4-Dioxane	NS	250 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	3.2 J	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	2.4	0.16 J	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60	2 J	5 U	4.6 J	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	2.5 U	2.5 U	0.83 J	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	2.5 U	0.76 J	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	1.2 J	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U

Table 3
55-01 2nd Street
Queens, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-6 L1320481-14 10/10/2013	TW-7 L1320481-15 10/10/2013	TW-8 L1320481-16 10/10/2013	TRIP BLANK L1320481-17 10/10/2013
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	2 U
1,4-Dioxane	NS	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.24 J	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene	5	2.5 U	0.78 J	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	4.6	2.5 U	2.6 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U
Vinyl chloride	2	1 U	1 U	1 U	1 U

Table 4
55-01 2nd Street
Queens, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Semivolatile Organic Compounds

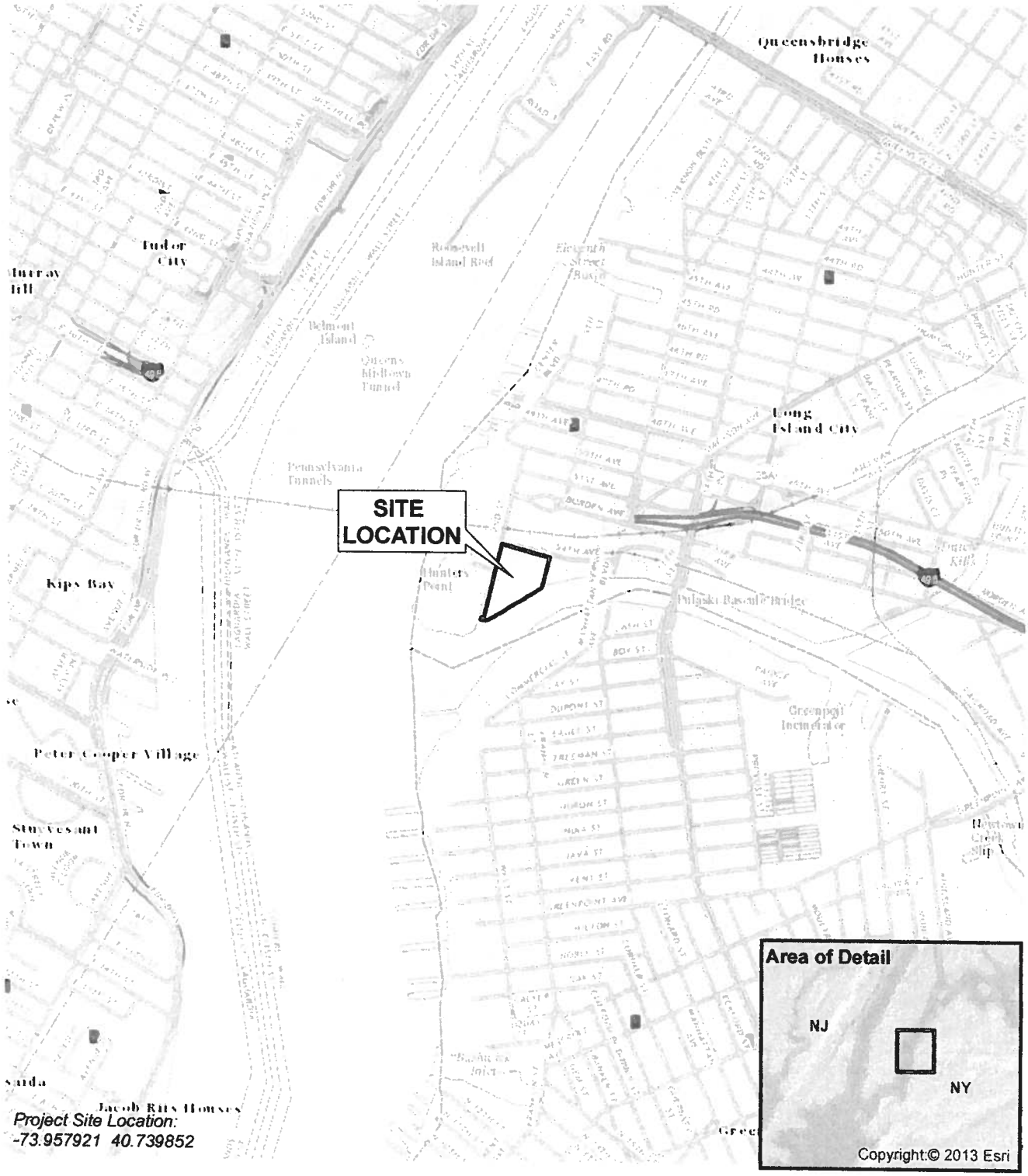
Client ID	NYSDEC	TW-1	TW-2	TW-3	TW-4
Lab Sample ID	Class GA	L1320481-09	L1320481-10	L1320481-11	L1320481-12
Date Sampled	Ambient	10/10/2013	10/10/2013	10/10/2013	10/10/2013
Dilution	Standard	1/5 †	1/5 †	1/5 †	1
µg/L	µg/L				
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	1.3 J	5 U	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	1 U	1 U	1 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	1 U	3	1 U	0.2 U
2-Methylphenol	NS	5 U	0.77 J	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U
3-Methylphenol/4-Methylphenol	NS	5 U	1.7 J	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U
4,6-Dinitro-o-cresol	NS	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	NS	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U
Acenaphthene	20	1 U	6.7	11	0.2 U
Acenaphthylene	NS	1 U	1 U	0.43 J	0.2 U
Anthracene	50	1 U	2.2	3.2	0.07 J
Benzo(a)anthracene	0.002	0.56 J	1.2	1.2	0.2 U
Benzo(a)pyrene	ND	1 U	0.97 J	0.94 J	0.2 U
Benzo(b)fluoranthene	0.002	0.75 J	1.3	1.1	0.2 U
Benzo(ghi)perylene	NS	1 U	0.72 J	0.58 J	0.2 U
Benzo(k)fluoranthene	0.002	1 U	0.55 J	0.45 J	0.2 U
Benzoic Acid	NS	50 U	50 U	50 U	50 U
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	NS	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl)phthalate	5	3 U	3 U	3 U	3 U
Butyl benzyl phthalate	50	5 U	5 U	5 U	5 U
Carbazole	NS	2 U	8.5	2 U	2 U
Chrysene	0.002	0.71 J	1.4	1.1	0.2 U
Dibenzo(a,h)anthracene	NS	1 U	1 U	1 U	0.2 U
Dibenzofuran	NS	2 U	4.6	4.4	2 U
Diethyl phthalate	50	5 U	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	5 U	5 U	5 U
Di-n-octylphthalate	50	5 U	5 U	5 U	5 U
Fluoranthene	50	1.9	4.2	7.4	0.2 U
Fluorene	50	1 U	4.6	6.9	0.2 U
Hexachlorobenzene	0.04	4 U	4 U	4 U	0.8 U
Hexachlorobutadiene	0.5	2.5 U	2.5 U	2.5 U	0.5 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U
Hexachloroethane	5	4 U	4 U	4 U	0.8 U
Indeno(1,2,3-cd)Pyrene	0.002	1 U	0.74 J	0.62 J	0.2 U
Isophorone	50	5 U	5 U	5 U	5 U
Naphthalene	10	1 U	24	0.74 J	0.2 U
Nitrobenzene	0.4	2 U	2 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	50	2 U	2 U	2 U	2 U
P-Chloro-M-Cresol	NS	2 U	2 U	2 U	2 U
Pentachlorophenol	NS	4 U	4 U	4 U	0.8 U
Phenanthrene	50	1 U	12	12	0.2 U
Phenol	NS	5 U	5 U	5 U	5 U
Pyrene	50	0.95 J	3.3	6	0.2 U

Note: † = Dilution rate varies

Table 4
55-01 2nd Street
Queens, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-5 L1320481-13 10/10/2013 1	TW-6 L1320481-14 10/10/2013 1	TW-7 L1320481-15 10/10/2013 1/5 †	TW-8 L1320481-16 10/10/2013 1
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	NA	NA
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	1 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	0.2 U	0.2 U	1 U	0.07 J
2-Methylphenol	NS	5 U	5 U	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U
3-Methylphenol/4-Methylphenol	NS	5 U	5 U	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U
4,6-Dinitro-o-cresol	NS	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	NS	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U
Acenaphthene	20	0.2 U	0.2 U	5	0.2 U
Acenaphthylene	NS	0.2 U	0.2 U	0.66 J	0.2 U
Anthracene	50	0.2 U	0.2 U	1.5	0.2 U
Benzo(a)anthracene	0.002	0.2 U	0.07 J	1.3	0.2 U
Benzo(a)pyrene	ND	0.2 U	0.2 U	0.88 J	0.2 U
Benzo(b)fluoranthene	0.002	0.2 U	0.08 J	1.2	0.2 U
Benzo(ghi)perylene	NS	0.2 U	0.2 U	0.5 J	0.2 U
Benzo(k)fluoranthene	0.002	0.2 U	0.2 U	0.51 J	0.2 U
Benzoic Acid	NS	50 U	50 U	7 J	50 U
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	NS	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl)phthalate	5	3 U	3 U	3 U	3 U
Butyl benzyl phthalate	50	5 U	5 U	5 U	5 U
Carbazole	NS	2 U	2 U	2 U	2 U
Chrysene	0.002	0.2 U	0.06 J	1.2	0.2 U
Dibenzo(a,h)anthracene	NS	0.2 U	0.2 U	1 U	0.2 U
Dibenzofuran	NS	2 U	2 U	0.72 J	2 U
Diethyl phthalate	50	5 U	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	5 U	5 U	5 U
Di-n-octylphthalate	50	5 U	5 U	5 U	5 U
Fluoranthene	50	0.2 U	0.13 J	7.6	0.05 J
Fluorene	50	0.2 U	0.2 U	1.9	0.2 U
Hexachlorobenzene	0.04	0.8 U	0.8 U	4 U	0.8 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U	2.5 U	0.5 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U
Hexachloroethane	5	0.8 U	0.8 U	4 U	0.8 U
Indeno(1,2,3-cd)Pyrene	0.002	0.2 U	0.2 U	0.56 J	0.2 U
Isophorone	50	5 U	5 U	5 U	5 U
Naphthalene	10	0.2 U	0.2 U	0.89 J	0.2 U
Nitrobenzene	0.4	2 U	2 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	50	2 U	2 U	2 U	2 U
P-Chloro-M-Cresol	NS	2 U	2 U	2 U	2 U
Pentachlorophenol	NS	0.8 U	0.8 U	4 U	0.8 U
Phenanthrene	50	0.2 U	0.2 U	1.2	0.2 U
Phenol	NS	5 U	5 U	5 U	5 U
Pyrene	50	0.2 U	0.14 J	5.4	0.2 U

Note: † = Dilution rate varies.



SOURCE
USGS 7.5 Minute Topographic Map Brooklyn Quad 2011

0 1,000 2,000
Feet

55-01 2nd Street
Queens, New York

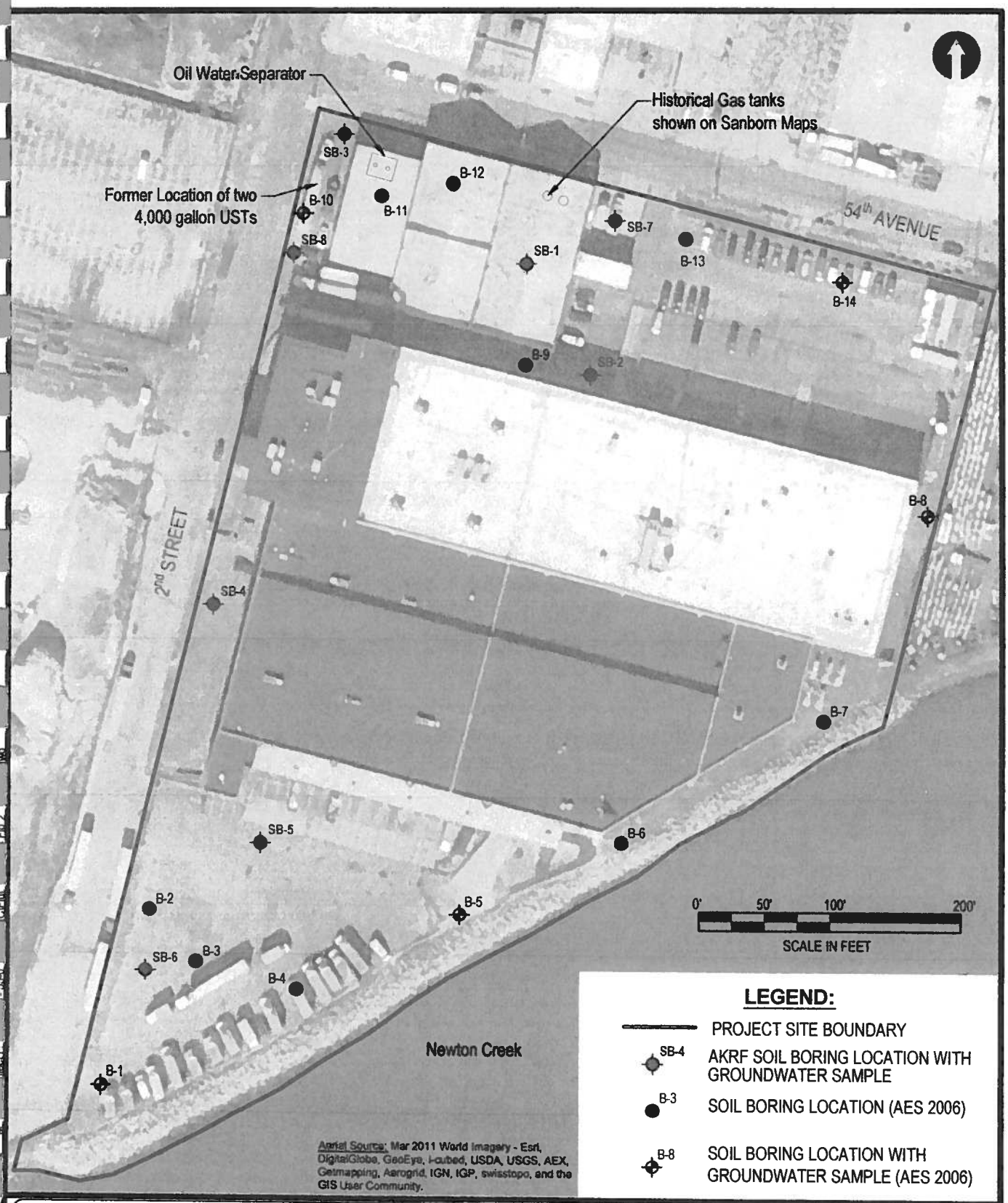
SITE LOCATION MAP

AKRF
Environmental Consultants

DATE
10/31/2013

PROJECT No.
11824

FIGURE
1



55-01 2nd Street

Queens, New York

SITE PLAN WITH SAMPLING LOCATIONS

AKRF

Environmental Consultants

440 Park Avenue South, New York, N.Y. 10016

DATE 11.14.2013

PROJECT No. 11824

SCALE as shown

FIGURE

SOIL BORING LOG

55-01 2nd Street
AKRF Project Number: 11824

Boring No. **SB-1**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	Direct Push - Geoprobe
Sampling Method:	Macro Core Acetate Liner
Driller :	Zebra Environmental
Sampler:	Rob Andrews

Drilling
Start Time: 9:00
Finish Time: 9:30
Date: 10/10/2013
Weather: Rain, 60 °F

Depth (feet)	Recovery (inches)	Surface Condition: Concrete, 2"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	36	Dark Brown SAND, some Silt, trace Brick (FILL).	ND	Dry	ND	ND	
2							
3			ND	Moist	ND	ND	
4							
5			ND	Wet	ND	ND	SB-1 (4-5)
6	6	Dark Brown SAND, some Silt (FILL).					
7							
8			ND	Wet	ND	ND	
9							
10							TW-1
11		End of boring at 10 feet below grade					
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater encountered at approximately 5 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

55-01 2nd Street
AKRF Project Number: 11824

Boring No. **SB-2**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	Direct Push - Geoprobe
Sampling Method:	Macro Core Acetate Liner
Driller :	Zebra Environmental
Sampler:	Rob Andrews

Drilling

Start Time	10:15	Finish Time	10:20
Date	10/10/2013		
Weather:	Rain, 60 °F		

Surface Condition: Asphalt, 4"

Depth (feet)	Recovery (Inches)		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	36	Dark Brown SAND, some Silt, little Gravel, trace Brick (FILL).	ND	Dry	ND	ND	
2							
3			ND	Moist	ND	ND	
4							SB-2
5			ND	Wet	ND	ND	(4-5)
6	24	Dark Brown SAND, some Silt, trace Brick (FILL).					
7			ND	Wet	ND	ND	
8							
9			ND	Wet	ND	ND	
10							TW-2
11		**End of boring at 10 feet below grade**					
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater encountered at approximately 5 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

55-01 2nd Street
AKRF Project Number: 11824

Boring No. SB-3
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	Direct Push - Geoprobe
Sampling Method:	Macro Core Acetate Liner
Driller :	Zebra Environmental
Sampler:	Rob Andrews

Drilling

Start Time	11:05	Finish Time	11:08
Date	10/10/2013		
Weather:	Rain, 60 °F		

Surface Condition: Asphalt, 2"

Depth (feet)	Recovery (inches)		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	30	Brown SAND, some Silt (FILL).	ND	Dry	0.1	ND	
2			ND	Dry	0.9	ND	
3			ND	Moist	14.3	ND	
4			Petroleum-like	Wet	153	ND	SB-3 (4-5)
5							
6	12	Grey SAND, some Silt (FILL).	Petroleum-like	Wet	53.2	Sheen on acetate	
7							
8							
9							
10							TW-3
11		**End of boring at 10 feet below grade**					
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater encountered at approximately 5 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

55-01 2nd Street
AKRF Project Number: 11824

Boring No. SB-4
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	Direct Push - Geoprobe
Sampling Method:	Macro Core Acetate Liner
Driller :	Zebra Environmental
Sampler:	Rob Andrews

Drilling

Start Time	11:50	Finish Time	12:00
Date	10/10/2013		
Weather:	Rain, 60 °F		

Surface Condition: Gravel, 2"

Depth (feet)	Recovery (Inches)		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	48	Brown SAND, some Silt, little Gravel, trace Brick (FILL).	ND	Dry	ND	ND	
2			ND	Moist	2.1	ND	SB-4 (2-3)
3			ND	Moist	ND	ND	
4			ND	Moist	ND	ND	
5							
6	36	Brown SAND, some Silt, little Gravel, trace Brick (FILL).	ND	Moist	0.1	ND	
7							
8			ND	Wet	ND	ND	
9							
10			ND	Wet	ND	ND	TW-4
11		**End of boring at 10 feet below grade**					
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater encountered at approximately 8 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

55-01 2nd Street
AKRF Project Number: 11824

Boring No. SB-5
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	Direct Push - Geoprobe
Sampling Method:	Macro Core Acetate Liner
Driller :	Zebra Environmental
Sampler:	Rob Andrews

Drilling
Start Time: 12:30
Finish Time: 12:40
Date: 10/10/2013
Weather: Rain, 60 °F

Depth (feet)	Recovery (inches)	Surface Condition: Asphalt, 2"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	48	Brown SAND, some Silt, trace Gravel (FILL).	ND	Dry	ND	ND	
2			ND	Dry	ND	ND	
3			ND	Moist	ND	ND	
4			ND	Moist	ND	ND	
5							
6	24	Brown SAND, some Silt (FILL).					
7			ND	Moist	ND	ND	SB-5 (7-8)
8			ND	Wet	ND	ND	
9							
10			ND	Wet	ND	ND	TW-5
11		End of boring at 10 feet below grade					
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater encountered at approximately 8 feet below grade
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

55-01 2nd Street
AKRF Project Number: 11824

Boring No. SB-6
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	Direct Push - Geoprobe
Sampling Method:	Macro Core Acetate Liner
Driller :	Zebra Environmental
Sampler:	Rob Andrews

Drilling

Start Time	13:15	Finish Time	13:30
Date	10/10/2013		
Weather:	Rain, 60 °F		

Depth (feet)	Recovery (inches)	Surface Condition: Asphalt, 2"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	50	Brown SAND, some Silt, little Gravel, trace Brick (FILL).	ND	Dry	0.3	ND	
2			ND	Dry	0.2	ND	
3			ND	Dry	ND	ND	
4			ND	Moist	ND	ND	
5			ND	Moist	ND	ND	
6	36	Brown SAND, some Silt, little Gravel (FILL).	ND	Moist	0.5	ND	SB-6 (7-8)
7							
8			ND	Wet	0.6	ND	
9							
10			ND	Wet	0.7	ND	TW-6
11		End of boring at 10 feet below grade					
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater encountered at approximately 8 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

55-01 2nd Street
AKRF Project Number: 11824

Boring No. **SB-7**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	Direct Push - Geoprobe
Sampling Method:	Macro Core Acetate Liner
Driller :	Zebra Environmental
Sampler:	Rob Andrews

Drilling

Start Time	14:25	Finish Time	14:35
Date	10/10/2013		
Weather:	Rain, 60 °F		

Surface Condition: Concrete, 12"

Depth (feet)	Recovery (inches)		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	12	Grey-brown SAND, some Silt (FILL).	ND	Moist	ND	ND	
2			ND	Moist	ND	ND	
3			ND	Moist	ND	ND	
4			ND	Wet	ND	ND	SB-7 (4-5)
5							
6	36	Grey-brown SAND, some Silt (FILL).					
7			ND	Wet	ND	ND	
8			ND	Wet	ND	ND	
9							
10			ND	Wet	ND	ND	TW-7
11		End of boring at 10 feet below grade					
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater encountered at approximately 5 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

55-01 2nd Street
AKRF Project Number: 11824

Boring No. **SB-8**
Sheet 1 **of** 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	Direct Push - Geoprobe
Sampling Method:	Macro Core Acetate Liner
Driller :	Zebra Environmental
Sampler:	Rob Andrews

Drilling

Start Time	15:55	**Finish Time**	16:05
Date	10/10/2013		
Weather:	Rain, 60 °F		

Depth (feet)	Recovery (inches)	Surface Condition: Asphalt, 2"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	36	Brown SAND, some Silt, trace Brick (FILL).	ND	Dry	ND	ND	
2			ND	Dry	ND	ND	
3			ND	Dry	ND	ND	
4			ND	Wet	ND	ND	SB-8 (4-5)
5							
6	24	Brown SAND, some Silt.	ND	Wet	ND	ND	
7							
8			ND	Wet	ND	ND	
9							
10			ND	Wet	ND	ND	TW-8
11		End of boring at 10 feet below grade					
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater encountered at approximately 5 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1320481-01	SB-1 (4-5)	55-01 2ND STREET	10/10/13 09:36
L1320481-02	SB-2 (4-5)	55-01 2ND STREET	10/10/13 10:25
L1320481-03	SB-3 (4-5)	55-01 2ND STREET	10/10/13 11:15
L1320481-04	SB-4 (2-3)	55-01 2ND STREET	10/10/13 12:05
L1320481-05	SB-5 (7-8)	55-01 2ND STREET	10/10/13 12:45
L1320481-06	SB-6 (7-8)	55-01 2ND STREET	10/10/13 13:40
L1320481-07	SB-7 (4-5)	55-01 2ND STREET	10/10/13 14:40
L1320481-08	SB-8 (4-5)	55-01 2ND STREET	10/10/13 16:15
L1320481-09	TW-1	55-01 2ND STREET	10/10/13 09:50
L1320481-10	TW-2	55-01 2ND STREET	10/10/13 10:35
L1320481-11	TW-3	55-01 2ND STREET	10/10/13 11:20
L1320481-12	TW-4	55-01 2ND STREET	10/10/13 12:20
L1320481-13	TW-5	55-01 2ND STREET	10/10/13 12:55
L1320481-14	TW-6	55-01 2ND STREET	10/10/13 13:50
L1320481-15	TW-7	55-01 2ND STREET	10/10/13 14:50
L1320481-16	TW-8	55-01 2ND STREET	10/10/13 16:25
L1320481-17	TRIP BLANK	55-01 2ND STREET	10/10/13 00:00

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

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 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.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

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

L1320481-01 through -08: 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.

L1320481-04: The result for Acetone should be considered estimated because the concentration exceeded the level of calibration. This analyte was not present in the high-level screen analysis.

L1320481-05: The internal standard (IS) responses for chlorobenzene-d5 (44%) and 1,4-dichlorobenzene-d4 (11%) and the surrogate recoveries for toluene-d8 (144%) and 4-bromofluorobenzene (179%) were outside the acceptance criteria; however, re-analysis achieved similar results for chlorobenzene-d5 (50%), 1,4-dichlorobenzene-d4 (14%), toluene-d8 (131%) and 4-bromofluorobenzene (192%). The results of both analyses are reported.

Semivolatile Organics

L1320481-02, -03 and -04 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

The surrogate recoveries for L1320481-08 are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl and 4-terphenyl-d14 (all 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG643464-2/-3 LCS/LCSD recoveries, associated with L1320481-01 through -08, are above the acceptance criteria for 2,4-dinitrotoluene (133%/143%), bis(2-ethylhexyl)phthalate (LCSD at 150%), butyl benzyl phthalate (LCSD at 150%), di-n-octylphthalate (144%/156%), benzo(b)fluoranthene (LCSD at 141%), 2-nitroaniline (136%/143%), 4-nitroaniline (131%/134%), 2,4,6-trichlorophenol (LCSD at 136%), p-chloro-m-cresol (123%/136%), 2-chlorophenol (109%/120%), 2,4-dichlorophenol (LCSD at 132%), 4-nitrophenol (118%/124%), pentachlorophenol (LCSD at 118%), phenol (109%/124%), 2,4,5-trichlorophenol (LCSD at 133%) and carbazole LCSD at (135%). The LCSD is not a requirement of the method; therefore, the results of

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Case Narrative (continued)

the original analysis are reported.

Semivolatile Organics - SIM

L1320481-09, -10, -11 and -15 have elevated detection limits due to the dilutions required by the sample matrices.

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: 10/22/13

ORGANICS

VOLATILES

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-01
Client ID: SB-1 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/13 00:59
Analyst: JC
Percent Solids: 87%

Date Collected: 10/10/13 09:36
Date Received: 10/11/13
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	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	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	0.26	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	4.6	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	ND		ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.90	1
Bromomethane	1.0	J	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	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-01
Client ID: SB-1 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 09:36
Date Received: 10/11/13
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	1.2	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	21		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	3.2	J	ug/kg	12	0.41	1
Vinyl acetate	ND		ug/kg	12	0.55	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	4.6	0.20	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	ND		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	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.91	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.49	1
Isopropylbenzene	ND		ug/kg	1.2	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Acrylonitrile	ND		ug/kg	12	0.27	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.91	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.66	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.18	1
4-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-01
Client ID: SB-1 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 09:36
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID:	L1320481-02	Date Collected:	10/10/13 10:25
Client ID:	SB-2 (4-5)	Date Received:	10/11/13
Sample Location:	55-01 2ND STREET	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/19/13 01:33		
Analyst:	JC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.7	J	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	0.23	J	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	1.1	J	ug/kg	5.7	0.89	1
Bromomethane	0.86	J	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: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-02
Client ID: SB-2 (4-5)
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 10:25
Date Received: 10/11/13
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	0.36	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	6.0	J	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	0.25	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
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
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-02
Client ID: SB-2 (4-5)
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 10:25
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	118		70-130
Dibromofluoromethane	100		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-03
Client ID: SB-3 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/13 16:44
Analyst: PP
Percent Solids: 88%

Date Collected: 10/10/13 11:15
Date Received: 10/11/13
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	ND		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	0.89	1
Bromomethane	0.63	J	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	0.28	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-03
Client ID: SB-3 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 11:15
Date Received: 10/11/13
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	0.21	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	4.6	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	6.4		ug/kg	1.1	0.23	1
tert-Butylbenzene	5.4	J	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	2.1		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	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
1,2,4,5-Tetramethylbenzene	24		ug/kg	4.6	0.15	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-03
Client ID: SB-3 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 11:15
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	90		70-130
Dibromofluoromethane	98		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-04
Client ID: SB-4 (2-3)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/13 02:42
Analyst: JC
Percent Solids: 92%

Date Collected: 10/10/13 12:05
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.2	J	ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	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	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	0.54	J	ug/kg	1.1	0.13	1
Toluene	0.40	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	1.6	J	ug/kg	5.5	0.86	1
Bromomethane	1.0	J	ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	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	0.26	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-04
Client ID: SB-4 (2-3)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:05
Date Received: 10/11/13
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	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	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	370	E	ug/kg	11	3.4	1
Carbon disulfide	2.5	J	ug/kg	11	2.2	1
2-Butanone	77		ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	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	0.19	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	0.22	1
tert-Butylbenzene	ND		ug/kg	5.5	0.61	1
o-Chlorotoluene	ND		ug/kg	5.5	0.17	1
p-Chlorotoluene	ND		ug/kg	5.5	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.86	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	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	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.63	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.4	0.17	1
4-Ethyltoluene	ND		ug/kg	4.4	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-04
Client ID: SB-4 (2-3)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:05
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-05
Client ID: SB-5 (7-8)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/13 17:21
Analyst: JC
Percent Solids: 86%

Date Collected: 10/10/13 12:45
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.3	J	ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.21	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	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	4.6	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	0.30	J	ug/kg	1.2	0.14	1
Toluene	0.46	J	ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	0.93	J	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	1.7	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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-05
Client ID: SB-5 (7-8)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:45
Date Received: 10/11/13
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	0.38	1
o-Xylene	ND		ug/kg	2.3	0.31	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	34		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	2.0	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	4.6	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	ND		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	0.18	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	ND		ug/kg	1.2	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	1.6	J	ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		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	ND		ug/kg	5.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.18	1
4-Ethyltoluene	ND		ug/kg	4.6	0.14	1

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-05
Client ID: SB-5 (7-8)
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 12:45
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	0.82	J	ug/kg	4.6	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	100		70-130
Toluene-d8	**144**	Q	70-130
4-Bromofluorobenzene	**179**	Q	70-130
Dibromofluoromethane	102		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-05 R
Client ID: SB-5 (7-8)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/22/13 12:36
Analyst: JC
Percent Solids: 86%

Date Collected: 10/10/13 12:45
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	3.3	J	ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.21	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	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	4.6	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	0.27	J	ug/kg	1.7	0.13	1
Ethylbenzene	ND		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	1.7	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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-05 R
Client ID: SB-5 (7-8)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:45
Date Received: 10/11/13
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	0.38	1
o-Xylene	ND		ug/kg	2.3	0.31	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	14		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		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	4.6	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	ND		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	0.18	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	ND		ug/kg	1.2	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		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	ND		ug/kg	5.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.18	1
4-Ethyltoluene	ND		ug/kg	4.6	0.14	1

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-05 R
Client ID: SB-5 (7-8)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:45
Date Received: 10/11/13
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	5.8	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	103		70-130
Toluene-d8	**131**	Q	70-130
4-Bromofluorobenzene	**192**	Q	70-130
Dibromofluoromethane	102		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-06
Client ID: SB-6 (7-8)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/13 17:57
Analyst: PP
Percent Solids: 82%

Date Collected: 10/10/13 13:40
Date Received: 10/11/13
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	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.55	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.95	1
Bromomethane	0.61	J	ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.29	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-06
Client ID: SB-6 (7-8)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 13:40
Date Received: 10/11/13
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	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	25		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.68	1
o-Chlorotoluene	ND		ug/kg	6.1	0.19	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.96	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.51	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.96	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.19	1
4-Ethyltoluene	ND		ug/kg	4.8	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-06
Client ID: SB-6 (7-8)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 13:40
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	84		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-07
Client ID: SB-7 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/13 04:24
Analyst: JC
Percent Solids: 79%

Date Collected: 10/10/13 14:40
Date Received: 10/11/13
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	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.2	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.18	1
Chlorobenzene	ND		ug/kg	1.2	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.57	1
Bromoform	ND		ug/kg	5.0	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	0.36	J	ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	1.5	J	ug/kg	6.3	0.99	1
Bromomethane	0.52	J	ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.30	1

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-07
Client ID: SB-7 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 14:40
Date Received: 10/11/13
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	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.41	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Dibromomethane	ND		ug/kg	12	0.21	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	11	J	ug/kg	12	3.9	1
Carbon disulfide	5.2	J	ug/kg	12	2.5	1
2-Butanone	1.6	J	ug/kg	12	0.45	1
Vinyl acetate	ND		ug/kg	12	0.60	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.24	1
Bromochloromethane	ND		ug/kg	6.3	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.25	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.3	0.71	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.99	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Acrylonitrile	ND		ug/kg	12	0.30	1
n-Propylbenzene	ND		ug/kg	1.2	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.99	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.72	1
1,4-Dioxane	ND		ug/kg	120	22.	1
1,4-Diethylbenzene	ND		ug/kg	5.0	0.20	1
4-Ethyltoluene	ND		ug/kg	5.0	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-07
Client ID: SB-7 (4-5)
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 14:40
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	6.3	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	83		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-08
Client ID: SB-8 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/13 18:33
Analyst: PP
Percent Solids: 84%

Date Collected: 10/10/13 16:15
Date Received: 10/11/13
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	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	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	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	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	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-08
Client ID: SB-8 (4-5)
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 16:15
Date Received: 10/11/13
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	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.57	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	6.0	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	6.0	0.67	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.94	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.19	1
4-Ethyltoluene	ND		ug/kg	4.8	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-08
Client ID: SB-8 (4-5)
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 16:15
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	6.0	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	91		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-09
Client ID: TW-1
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/13 14:03
Analyst: PD

Date Collected: 10/10/13 09:50
Date Received: 10/11/13
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: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-09
Client ID: TW-1
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 09:50
Date Received: 10/11/13
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	2.0	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
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
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-09
Client ID: TW-1
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 09:50
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-10
Client ID: TW-2
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/13 14:39
Analyst: PD

Date Collected: 10/10/13 10:35
Date Received: 10/11/13
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	2.4		ug/l	0.50	0.16	1
Toluene	1.2	J	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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-10
Client ID: TW-2
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 10:35
Date Received: 10/11/13
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	0.76	J	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	3.2	J	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
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
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-10
Client ID: TW-2
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 10:35
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	93		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	97		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-11
Client ID: TW-3
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/13 12:44
Analyst: PD

Date Collected: 10/10/13 11:20
Date Received: 10/11/13
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	0.16	J	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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-11
Client ID: TW-3
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 11:20
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	0.83	J	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	4.6	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
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	1.6	J	ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-11
Client ID: TW-3
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 11:20
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-12
Client ID: TW-4
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/13 13:24
Analyst: PD

Date Collected: 10/10/13 12:20
Date Received: 10/11/13
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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-12
Client ID: TW-4
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:20
Date Received: 10/11/13
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
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
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-12
Client ID: TW-4
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:20
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-13
Client ID: TW-5
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/13 14:04
Analyst: PD

Date Collected: 10/10/13 12:55
Date Received: 10/11/13
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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-13
Client ID: TW-5
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:55
Date Received: 10/11/13
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
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
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-13
Client ID: TW-5
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:55
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	96		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-14
Client ID: TW-6
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/13 14:44
Analyst: PD

Date Collected: 10/10/13 13:50
Date Received: 10/11/13
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	4.6		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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-14
Client ID: TW-6
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 13:50
Date Received: 10/11/13
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
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
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-14
Client ID: TW-6
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 13:50
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-15
Client ID: TW-7
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/13 15:23
Analyst: PD

Date Collected: 10/10/13 14:50
Date Received: 10/11/13
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	0.24	J	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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-15
Client ID: TW-7
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 14:50
Date Received: 10/11/13
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	0.78	J	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
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-15
Client ID: TW-7
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 14:50
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	97		70-130
Toluene-d8	124		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	98		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-16
Client ID: TW-8
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/13 16:03
Analyst: PD

Date Collected: 10/10/13 16:25
Date Received: 10/11/13
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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-16
Client ID: TW-8
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 16:25
Date Received: 10/11/13
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
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
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-16
Client ID: TW-8
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 16:25
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-17
Client ID: TRIP BLANK
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/17/13 21:01
Analyst: PD

Date Collected: 10/10/13 00:00
Date Received: 10/11/13
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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-17
Client ID: TRIP BLANK
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 00:00
Date Received: 10/11/13
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	82		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	94		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/13 13:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG645106-3					
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: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/13 13:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG645106-3					
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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/13 13:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG645106-3					
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 Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	108		70-130

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/13 11:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG645154-3					
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: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/13 11:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG645154-3					
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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/13 11:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG645154-3					
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 Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/13 12:05
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-16 Batch: WG645178-3					
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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/13 12:05
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-16 Batch: WG645178-3					
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
n-Propylbenzene	ND		ug/l	2.5	0.70

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/13 12:05
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-16 Batch: WG645178-3					
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 Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/13 00:24
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,07 Batch: WG645322-3					
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	0.35	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.88	J	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: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/13 00:24
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,07 Batch: WG645322-3					
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	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
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/13 00:24
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,07 Batch: WG645322-3					
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	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/13 14:17
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,08 Batch: WG645641-3					
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	0.47	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.92	J	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: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/13 14:17
Analyst: PP

Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,08 Batch: WG645641-3

Parameter	Result	Qualifier	Units	RL	MDL
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
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/13 14:17
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG646040-3					
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	0.47	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.92	J	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: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/13 14:17
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG646040-3					
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	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
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/13 14:17
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG646040-3					
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	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/13 12:00
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG646040-6					
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

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/13 12:00
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG646040-6					
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
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/13 12:00
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG646040-6					
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	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG645106-1 WG645106-2								
Methylene chloride	102		102		70-130	0		20
1,1-Dichloroethane	101		100		70-130	1		20
Chloroform	106		104		70-130	2		20
Carbon tetrachloride	110		106		63-132	4		20
1,2-Dichloropropane	95		95		70-130	0		20
Dibromochloromethane	99		101		63-130	2		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	102		101		70-130	1		20
Chlorobenzene	100		98		75-130	2		20
Trichlorofluoromethane	111		106		62-150	5		20
1,2-Dichloroethane	106		105		70-130	1		20
1,1,1-Trichloroethane	108		105		67-130	3		20
Bromodichloromethane	102		102		67-130	0		20
trans-1,3-Dichloropropene	101		103		70-130	2		20
cis-1,3-Dichloropropene	95		98		70-130	3		20
1,1-Dichloropropene	103		102		70-130	1		20
Bromoform	94		96		54-136	2		20
1,1,2,2-Tetrachloroethane	92		94		67-130	2		20
Benzene	101		101		70-130	0		20
Toluene	100		98		70-130	2		20
Ethylbenzene	104		102		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG645106-1 WG645106-2								
Chloromethane	96		94		64-130	2		20
Bromomethane	66		70		39-139	6		20
Vinyl chloride	96		94		55-140	2		20
Chloroethane	101		99		55-138	2		20
1,1-Dichloroethene	103		100		61-145	3		20
trans-1,2-Dichloroethene	99		104		70-130	5		20
Trichloroethene	107		104		70-130	3		20
1,2-Dichlorobenzene	98		99		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	97		97		70-130	0		20
Methyl tert butyl ether	95		100		63-130	5		20
p/m-Xylene	107		105		70-130	2		20
o-Xylene	108		106		70-130	2		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Dibromomethane	100		102		70-130	2		20
1,2,3-Trichloropropane	94		94		64-130	0		20
Acrylonitrile	90		95		70-130	5		20
Styrene	109		108		70-130	1		20
Dichlorodifluoromethane	108		103		36-147	5		20
Acetone	111		111		58-148	0		20
Carbon disulfide	98		97		51-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 17		Batch: WG645106-1 WG645106-2					
2-Butanone	110		115		63-138	4		20
Vinyl acetate	100		103		70-130	3		20
4-Methyl-2-pentanone	79		84		59-130	6		20
2-Hexanone	80		85		57-130	6		20
Bromochloromethane	106		107		70-130	1		20
2,2-Dichloropropane	113		110		63-133	3		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	97		100		70-130	3		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	96		97		70-130	1		20
n-Butylbenzene	101		100		53-136	1		20
sec-Butylbenzene	102		102		70-130	0		20
tert-Butylbenzene	101		101		70-130	0		20
o-Chlorotoluene	101		101		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	94		95		41-144	1		20
Hexachlorobutadiene	102		102		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	90		89		70-130	1		20
Naphthalene	72		75		70-130	4		20
n-Propylbenzene	99		98		69-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG645106-1 WG645106-2								
1,2,3-Trichlorobenzene	79		80		70-130	1		20
1,2,4-Trichlorobenzene	76		77		70-130	1		20
1,3,5-Trimethylbenzene	98		97		64-130	1		20
1,2,4-Trimethylbenzene	98		97		70-130	1		20
1,4-Dioxane	120		121		56-162	1		20
1,4-Diethylbenzene	92		90		70-130	2		20
4-Ethyltoluene	99		98		70-130	1		20
1,2,4,5-Tetramethylbenzene	77		78		70-130	1		20
Ethyl ether	99		100		59-134	1		20
trans-1,4-Dichloro-2-butene	90		94		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	107		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG645154-1 WG645154-2								
Methylene chloride	110		104		70-130	6		20
1,1-Dichloroethane	105		101		70-130	4		20
Chloroform	106		103		70-130	3		20
Carbon tetrachloride	106		100		63-132	6		20
1,2-Dichloropropane	105		100		70-130	5		20
Dibromochloromethane	110		106		63-130	4		20
1,1,2-Trichloroethane	109		108		70-130	1		20
Tetrachloroethene	106		103		70-130	3		20
Chlorobenzene	105		103		75-130	2		20
Trichlorofluoromethane	106		100		62-150	6		20
1,2-Dichloroethane	109		105		70-130	4		20
1,1,1-Trichloroethane	106		101		67-130	5		20
Bromodichloromethane	110		105		67-130	5		20
trans-1,3-Dichloropropene	106		104		70-130	2		20
cis-1,3-Dichloropropene	104		100		70-130	4		20
1,1-Dichloropropene	105		100		70-130	5		20
Bromoform	116		115		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	105		100		70-130	5		20
Toluene	104		101		70-130	3		20
Ethylbenzene	106		103		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 09-10		Batch: WG645154-1		WG645154-2			
Chloromethane	81		80		64-130	1		20
Bromomethane	47		51		39-139	8		20
Vinyl chloride	89		90		55-140	1		20
Chloroethane	102		98		55-138	4		20
1,1-Dichloroethene	102		98		61-145	4		20
trans-1,2-Dichloroethene	105		99		70-130	6		20
Trichloroethene	104		100		70-130	4		20
1,2-Dichlorobenzene	108		106		70-130	2		20
1,3-Dichlorobenzene	107		103		70-130	4		20
1,4-Dichlorobenzene	106		103		70-130	3		20
Methyl tert butyl ether	109		106		63-130	3		20
p/m-Xylene	108		104		70-130	4		20
o-Xylene	108		105		70-130	3		20
cis-1,2-Dichloroethene	102		102		70-130	0		20
Dibromomethane	108		105		70-130	3		20
1,2,3-Trichloropropane	107		108		64-130	1		20
Acrylonitrile	112		112		70-130	0		20
Styrene	110		108		70-130	2		20
Dichlorodifluoromethane	93		87		36-147	7		20
Acetone	**160**	Q	126		58-148	**24**	Q	20
Carbon disulfide	107		98		51-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 09-10		Batch: WG645154-1		WG645154-2			
2-Butanone	159	Q	141	Q	63-138	12		20
Vinyl acetate	113		109		70-130	4		20
4-Methyl-2-pentanone	117		116		59-130	1		20
2-Hexanone	123		122		57-130	1		20
Bromochloromethane	111		107		70-130	4		20
2,2-Dichloropropane	108		102		63-133	6		20
1,2-Dibromoethane	109		106		70-130	3		20
1,3-Dichloropropane	108		106		70-130	2		20
1,1,1,2-Tetrachloroethane	108		106		64-130	2		20
Bromobenzene	105		104		70-130	1		20
n-Butylbenzene	108		99		53-136	9		20
sec-Butylbenzene	108		103		70-130	5		20
tert-Butylbenzene	106		102		70-130	4		20
o-Chlorotoluene	106		102		70-130	4		20
p-Chlorotoluene	104		100		70-130	4		20
1,2-Dibromo-3-chloropropane	108		109		41-144	1		20
Hexachlorobutadiene	113		106		63-130	6		20
Isopropylbenzene	106		103		70-130	3		20
p-Isopropyltoluene	108		102		70-130	6		20
Naphthalene	128		127		70-130	1		20
n-Propylbenzene	105		102		69-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 09-10		Batch: WG645154-1		WG645154-2			
1,2,3-Trichlorobenzene	117		112		70-130	4		20
1,2,4-Trichlorobenzene	113		104		70-130	8		20
1,3,5-Trimethylbenzene	107		104		64-130	3		20
1,2,4-Trimethylbenzene	108		102		70-130	6		20
1,4-Dioxane	117		114		56-162	3		20
1,4-Diethylbenzene	109		101		70-130	8		20
4-Ethyltoluene	107		103		70-130	4		20
1,2,4,5-Tetramethylbenzene	120		113		70-130	6		20
Ethyl ether	103		104		59-134	1		20
trans-1,4-Dichloro-2-butene	104		102		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-16 Batch: WG645178-1 WG645178-2								
Methylene chloride	103		105		70-130	2		20
1,1-Dichloroethane	94		96		70-130	2		20
Chloroform	90		92		70-130	2		20
Carbon tetrachloride	92		90		63-132	2		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	103		97		63-130	6		20
1,1,2-Trichloroethane	106		107		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	99		99		75-130	0		20
Trichlorofluoromethane	90		79		62-150	13		20
1,2-Dichloroethane	86		86		70-130	0		20
1,1,1-Trichloroethane	89		90		67-130	1		20
Bromodichloromethane	95		94		67-130	1		20
trans-1,3-Dichloropropene	100		99		70-130	1		20
cis-1,3-Dichloropropene	96		94		70-130	2		20
1,1-Dichloropropene	93		96		70-130	3		20
Bromoform	101		94		54-136	7		20
1,1,2,2-Tetrachloroethane	109		106		67-130	3		20
Benzene	98		100		70-130	2		20
Toluene	100		101		70-130	1		20
Ethylbenzene	97		99		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 11-16		Batch: WG645178-1		WG645178-2			
Chloromethane	77		**58**	Q	64-130	**28**	Q	20
Bromomethane	49		**34**	Q	39-139	**36**	Q	20
Vinyl chloride	82		75		55-140	9		20
Chloroethane	109		81		55-138	**29**	Q	20
1,1-Dichloroethene	98		101		61-145	3		20
trans-1,2-Dichloroethene	99		103		70-130	4		20
Trichloroethene	94		96		70-130	2		20
1,2-Dichlorobenzene	99		98		70-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	96		97		70-130	1		20
Methyl tert butyl ether	99		98		63-130	1		20
p/m-Xylene	102		103		70-130	1		20
o-Xylene	102		104		70-130	2		20
cis-1,2-Dichloroethene	99		103		70-130	4		20
Dibromomethane	100		104		70-130	4		20
1,2,3-Trichloropropane	101		99		64-130	2		20
Acrylonitrile	115		111		70-130	4		20
Styrene	104		105		70-130	1		20
Dichlorodifluoromethane	91		80		36-147	13		20
Acetone	128		117		58-148	9		20
Carbon disulfide	101		106		51-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 11-16		Batch: WG645178-1	WG645178-2				
2-Butanone	133		132		63-138	1		20
Vinyl acetate	92		90		70-130	2		20
4-Methyl-2-pentanone	104		98		59-130	6		20
2-Hexanone	97		96		57-130	1		20
Bromochloromethane	98		105		70-130	7		20
2,2-Dichloropropane	93		94		63-133	1		20
1,2-Dibromoethane	103		100		70-130	3		20
1,3-Dichloropropane	102		100		70-130	2		20
1,1,1,2-Tetrachloroethane	100		99		64-130	1		20
Bromobenzene	98		99		70-130	1		20
n-Butylbenzene	94		97		53-136	3		20
sec-Butylbenzene	100		101		70-130	1		20
tert-Butylbenzene	98		99		70-130	1		20
o-Chlorotoluene	95		94		70-130	1		20
p-Chlorotoluene	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	99		92		41-144	7		20
Hexachlorobutadiene	94		98		63-130	4		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	99		100		70-130	1		20
n-Propylbenzene	98		98		69-130	0		20
1,2,3-Trichlorobenzene	96		95		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 11-16		Batch: WG645178-1		WG645178-2			
1,2,4-Trichlorobenzene	89		91		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	97		98		70-130	1		20
1,4-Dioxane	147		148		56-162	1		20
1,4-Diethylbenzene	92		93		70-130	1		20
4-Ethyltoluene	99		101		70-130	2		20
1,2,4,5-Tetramethylbenzene	98		102		70-130	4		20
Ethyl ether	97		90		59-134	7		20
trans-1,4-Dichloro-2-butene	88		88		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	92		90		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,07 Batch: WG645322-1 WG645322-2								
Methylene chloride	109		100		70-130	9		30
1,1-Dichloroethane	100		92		70-130	8		30
Chloroform	100		90		70-130	11		30
Carbon tetrachloride	96		84		70-130	13		30
1,2-Dichloropropane	94		86		70-130	9		30
Dibromochloromethane	104		95		70-130	9		30
1,1,2-Trichloroethane	102		94		70-130	8		30
Tetrachloroethene	101		92		70-130	9		30
Chlorobenzene	103		94		70-130	9		30
Trichlorofluoromethane	86		87		70-139	1		30
1,2-Dichloroethane	96		89		70-130	8		30
1,1,1-Trichloroethane	99		90		70-130	10		30
Bromodichloromethane	100		91		70-130	9		30
trans-1,3-Dichloropropene	74		65	Q	70-130	13		30
cis-1,3-Dichloropropene	82		72		70-130	13		30
1,1-Dichloropropene	99		90		70-130	10		30
Bromoform	94		87		70-130	8		30
1,1,2,2-Tetrachloroethane	104		97		70-130	7		30
Benzene	101		92		70-130	9		30
Toluene	100		91		70-130	9		30
Ethylbenzene	106		96		70-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 01-02,04,07		Batch: WG645322-1 WG645322-2					
Chloromethane	110		100		52-130	10		30
Bromomethane	106		108		57-147	2		30
Vinyl chloride	121		108		67-130	11		30
Chloroethane	100		105		50-151	5		30
1,1-Dichloroethene	105		96		65-135	9		30
trans-1,2-Dichloroethene	102		93		70-130	9		30
Trichloroethene	97		88		70-130	10		30
1,2-Dichlorobenzene	103		95		70-130	8		30
1,3-Dichlorobenzene	105		97		70-130	8		30
1,4-Dichlorobenzene	104		96		70-130	8		30
Methyl tert butyl ether	**60**	Q	**52**	Q	66-130	14		30
p/m-Xylene	103		94		70-130	9		30
o-Xylene	102		94		70-130	8		30
cis-1,2-Dichloroethene	101		90		70-130	12		30
Dibromomethane	93		84		70-130	10		30
Styrene	106		97		70-130	9		30
Dichlorodifluoromethane	76		68		30-146	11		30
Acetone	114		96		54-140	17		30
Carbon disulfide	100		91		59-130	9		30
2-Butanone	86		72		70-130	18		30
Vinyl acetate	81		74		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,07 Batch: WG645322-1 WG645322-2								
4-Methyl-2-pentanone	82		73		70-130	12		30
1,2,3-Trichloropropane	100		93		68-130	7		30
2-Hexanone	88		79		70-130	11		30
Bromochloromethane	94		86		70-130	9		30
2,2-Dichloropropane	73		**63**	Q	70-130	15		30
1,2-Dibromoethane	100		90		70-130	11		30
1,3-Dichloropropane	98		89		69-130	10		30
1,1,1,2-Tetrachloroethane	99		90		70-130	10		30
Bromobenzene	102		95		70-130	7		30
n-Butylbenzene	106		97		70-130	9		30
sec-Butylbenzene	108		98		70-130	10		30
tert-Butylbenzene	104		96		70-130	8		30
o-Chlorotoluene	109		101		70-130	8		30
p-Chlorotoluene	107		99		70-130	8		30
1,2-Dibromo-3-chloropropane	82		76		68-130	8		30
Hexachlorobutadiene	96		86		67-130	11		30
Isopropylbenzene	104		94		70-130	10		30
p-Isopropyltoluene	103		94		70-130	9		30
Naphthalene	90		81		70-130	11		30
Acrylonitrile	90		86		70-130	5		30
Isopropyl Ether	91		83		66-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,07 Batch: WG645322-1 WG645322-2								
tert-Butyl Alcohol	94		86		70-130	9		30
n-Propylbenzene	109		101		70-130	8		30
1,2,3-Trichlorobenzene	99		88		70-130	12		30
1,2,4-Trichlorobenzene	97		87		70-130	11		30
1,3,5-Trimethylbenzene	108		98		70-130	10		30
1,2,4-Trimethylbenzene	105		97		70-130	8		30
Methyl Acetate	92		83		51-146	10		30
Ethyl Acetate	94		86		70-130	9		30
Acrolein	105		94		70-130	11		30
Cyclohexane	95		86		59-142	10		30
1,4-Dioxane	87		82		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		89		50-139	10		30
1,4-Diethylbenzene	105		95		70-130	10		30
4-Ethyltoluene	109		100		70-130	9		30
1,2,4,5-Tetramethylbenzene	100		90		70-130	11		30
Tetrahydrofuran	87		80		66-130	8		30
Ethyl ether	93		84		67-130	10		30
trans-1,4-Dichloro-2-butene	89		76		70-130	16		30
Methyl cyclohexane	96		86		70-130	11		30
Ethyl-Tert-Butyl-Ether	72		64	Q	70-130	12		30
Tertiary-Amyl Methyl Ether	45	Q	41	Q	70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

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

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,07 Batch: WG645322-1 WG645322-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	100		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08 Batch: WG645641-1 WG645641-2								
Methylene chloride	119		125		70-130	5		30
1,1-Dichloroethane	113		120		70-130	6		30
Chloroform	110		118		70-130	7		30
Carbon tetrachloride	109		115		70-130	5		30
1,2-Dichloropropane	105		114		70-130	8		30
Dibromochloromethane	114		124		70-130	8		30
1,1,2-Trichloroethane	112		122		70-130	9		30
Tetrachloroethene	114		120		70-130	5		30
Chlorobenzene	114		121		70-130	6		30
Trichlorofluoromethane	112		117		70-139	4		30
1,2-Dichloroethane	107		115		70-130	7		30
1,1,1-Trichloroethane	115		121		70-130	5		30
Bromodichloromethane	110		118		70-130	7		30
trans-1,3-Dichloropropene	84		92		70-130	9		30
cis-1,3-Dichloropropene	91		97		70-130	6		30
1,1-Dichloropropene	112		119		70-130	6		30
Bromoform	102		113		70-130	10		30
1,1,2,2-Tetrachloroethane	112		124		70-130	10		30
Benzene	114		121		70-130	6		30
Toluene	112		121		70-130	8		30
Ethylbenzene	119		125		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
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Lab Number: L1320481
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08 Batch: WG645641-1 WG645641-2								
Chloromethane	125		**136**	Q	52-130	8		30
Bromomethane	130		129		57-147	1		30
Vinyl chloride	**137**	Q	**154**	Q	67-130	12		30
Chloroethane	126		119		50-151	6		30
1,1-Dichloroethene	121		127		65-135	5		30
trans-1,2-Dichloroethene	116		121		70-130	4		30
Trichloroethene	110		116		70-130	5		30
1,2-Dichlorobenzene	113		121		70-130	7		30
1,3-Dichlorobenzene	116		123		70-130	6		30
1,4-Dichlorobenzene	115		122		70-130	6		30
Methyl tert butyl ether	68		77		66-130	12		30
p/m-Xylene	116		123		70-130	6		30
o-Xylene	114		121		70-130	6		30
cis-1,2-Dichloroethene	110		117		70-130	6		30
Dibromomethane	102		110		70-130	8		30
Styrene	118		125		70-130	6		30
Dichlorodifluoromethane	102		107		30-146	5		30
Acetone	**146**	Q	**152**	Q	54-140	4		30
Carbon disulfide	116		122		59-130	5		30
2-Butanone	103		110		70-130	7		30
Vinyl acetate	89		101		70-130	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
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Lab Number: L1320481
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08 Batch: WG645641-1 WG645641-2								
4-Methyl-2-pentanone	88		100		70-130	13		30
1,2,3-Trichloropropane	108		120		68-130	11		30
2-Hexanone	101		111		70-130	9		30
Bromochloromethane	103		112		70-130	8		30
2,2-Dichloropropane	88		92		70-130	4		30
1,2-Dibromoethane	110		120		70-130	9		30
1,3-Dichloropropane	107		117		69-130	9		30
1,1,1,2-Tetrachloroethane	108		116		70-130	7		30
Bromobenzene	113		120		70-130	6		30
n-Butylbenzene	122		126		70-130	3		30
sec-Butylbenzene	122		128		70-130	5		30
tert-Butylbenzene	116		123		70-130	6		30
o-Chlorotoluene	122		130		70-130	6		30
p-Chlorotoluene	119		126		70-130	6		30
1,2-Dibromo-3-chloropropane	92		103		68-130	11		30
Hexachlorobutadiene	107		110		67-130	3		30
Isopropylbenzene	116		123		70-130	6		30
p-Isopropyltoluene	117		122		70-130	4		30
Naphthalene	99		109		70-130	10		30
Acrylonitrile	101		112		70-130	10		30
Isopropyl Ether	101		110		66-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08 Batch: WG645641-1 WG645641-2								
tert-Butyl Alcohol	104		115		70-130	10		30
n-Propylbenzene	122		130		70-130	6		30
1,2,3-Trichlorobenzene	108		116		70-130	7		30
1,2,4-Trichlorobenzene	109		116		70-130	6		30
1,3,5-Trimethylbenzene	120		126		70-130	5		30
1,2,4-Trimethylbenzene	118		125		70-130	6		30
Methyl Acetate	104		119		51-146	13		30
Ethyl Acetate	104		118		70-130	13		30
Acrolein	101		116		70-130	14		30
Cyclohexane	109		116		59-142	6		30
1,4-Dioxane	94		106		65-136	12		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		118		50-139	5		30
1,4-Diethylbenzene	119		124		70-130	4		30
4-Ethyltoluene	122		129		70-130	6		30
1,2,4,5-Tetramethylbenzene	112		118		70-130	5		30
Tetrahydrofuran	97		113		66-130	15		30
Ethyl ether	103		112		67-130	8		30
trans-1,4-Dichloro-2-butene	96		111		70-130	14		30
Methyl cyclohexane	109		114		70-130	4		30
Ethyl-Tert-Butyl-Ether	83		92		70-130	10		30
Tertiary-Amyl Methyl Ether	**51**	Q	**57**	Q	70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

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

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08 Batch: WG645641-1 WG645641-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	103		105		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	100		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 05		Batch: WG646040-1	WG646040-2				
Methylene chloride	119		125		70-130	5		30
1,1-Dichloroethane	113		120		70-130	6		30
Chloroform	110		118		70-130	7		30
Carbon tetrachloride	109		115		70-130	5		30
1,2-Dichloropropane	105		114		70-130	8		30
Dibromochloromethane	114		124		70-130	8		30
1,1,2-Trichloroethane	112		122		70-130	9		30
Tetrachloroethene	114		120		70-130	5		30
Chlorobenzene	114		121		70-130	6		30
Trichlorofluoromethane	112		117		70-139	4		30
1,2-Dichloroethane	107		115		70-130	7		30
1,1,1-Trichloroethane	115		121		70-130	5		30
Bromodichloromethane	110		118		70-130	7		30
trans-1,3-Dichloropropene	84		92		70-130	9		30
cis-1,3-Dichloropropene	91		97		70-130	6		30
1,1-Dichloropropene	112		119		70-130	6		30
Bromoform	102		113		70-130	10		30
1,1,2,2-Tetrachloroethane	112		124		70-130	10		30
Benzene	114		121		70-130	6		30
Toluene	112		121		70-130	8		30
Ethylbenzene	119		125		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 05		Batch: WG646040-1		WG646040-2			
Chloromethane	125		**136**	Q	52-130	8		30
Bromomethane	130		129		57-147	1		30
Vinyl chloride	**137**	Q	**154**	Q	67-130	12		30
Chloroethane	126		119		50-151	6		30
1,1-Dichloroethene	121		127		65-135	5		30
trans-1,2-Dichloroethene	116		121		70-130	4		30
Trichloroethene	110		116		70-130	5		30
1,2-Dichlorobenzene	113		121		70-130	7		30
1,3-Dichlorobenzene	116		123		70-130	6		30
1,4-Dichlorobenzene	115		122		70-130	6		30
Methyl tert butyl ether	68		77		66-130	12		30
p/m-Xylene	116		123		70-130	6		30
o-Xylene	114		121		70-130	6		30
cis-1,2-Dichloroethene	110		117		70-130	6		30
Dibromomethane	102		110		70-130	8		30
Styrene	118		125		70-130	6		30
Dichlorodifluoromethane	102		107		30-146	5		30
Acetone	**146**	Q	**152**	Q	54-140	4		30
Carbon disulfide	116		122		59-130	5		30
2-Butanone	103		110		70-130	7		30
Vinyl acetate	89		101		70-130	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG646040-1 WG646040-2								
4-Methyl-2-pentanone	88		100		70-130	13		30
1,2,3-Trichloropropane	108		120		68-130	11		30
2-Hexanone	101		111		70-130	9		30
Bromochloromethane	103		112		70-130	8		30
2,2-Dichloropropane	88		92		70-130	4		30
1,2-Dibromoethane	110		120		70-130	9		30
1,3-Dichloropropane	107		117		69-130	9		30
1,1,1,2-Tetrachloroethane	108		116		70-130	7		30
Bromobenzene	113		120		70-130	6		30
n-Butylbenzene	122		126		70-130	3		30
sec-Butylbenzene	122		128		70-130	5		30
tert-Butylbenzene	116		123		70-130	6		30
o-Chlorotoluene	122		130		70-130	6		30
p-Chlorotoluene	119		126		70-130	6		30
1,2-Dibromo-3-chloropropane	92		103		68-130	11		30
Hexachlorobutadiene	107		110		67-130	3		30
Isopropylbenzene	116		123		70-130	6		30
p-Isopropyltoluene	117		122		70-130	4		30
Naphthalene	99		109		70-130	10		30
Acrylonitrile	101		112		70-130	10		30
Isopropyl Ether	101		110		66-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG646040-1 WG646040-2								
tert-Butyl Alcohol	104		115		70-130	10		30
n-Propylbenzene	122		130		70-130	6		30
1,2,3-Trichlorobenzene	108		116		70-130	7		30
1,2,4-Trichlorobenzene	109		116		70-130	6		30
1,3,5-Trimethylbenzene	120		126		70-130	5		30
1,2,4-Trimethylbenzene	118		125		70-130	6		30
Methyl Acetate	104		119		51-146	13		30
Ethyl Acetate	104		118		70-130	13		30
Acrolein	101		116		70-130	14		30
Cyclohexane	109		116		59-142	6		30
1,4-Dioxane	94		106		65-136	12		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		118		50-139	5		30
1,4-Diethylbenzene	119		124		70-130	4		30
4-Ethyltoluene	122		129		70-130	6		30
1,2,4,5-Tetramethylbenzene	112		118		70-130	5		30
Tetrahydrofuran	97		113		66-130	15		30
Ethyl ether	103		112		67-130	8		30
trans-1,4-Dichloro-2-butene	96		111		70-130	14		30
Methyl cyclohexane	109		114		70-130	4		30
Ethyl-Tert-Butyl-Ether	83		92		70-130	10		30
Tertiary-Amyl Methyl Ether	**51**	Q	**57**	Q	70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG646040-1 WG646040-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	103		105		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	100		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG646040-4 WG646040-5								
Methylene chloride	99		108		70-130	9		30
1,1-Dichloroethane	98		108		70-130	10		30
Chloroform	95		105		70-130	10		30
Carbon tetrachloride	98		108		70-130	10		30
1,2-Dichloropropane	92		101		70-130	9		30
Dibromochloromethane	100		109		70-130	9		30
1,1,2-Trichloroethane	95		103		70-130	8		30
Tetrachloroethene	100		110		70-130	10		30
Chlorobenzene	98		108		70-130	10		30
Trichlorofluoromethane	84		105		70-139	22		30
1,2-Dichloroethane	92		100		70-130	8		30
1,1,1-Trichloroethane	103		114		70-130	10		30
Bromodichloromethane	94		105		70-130	11		30
trans-1,3-Dichloropropene	74		81		70-130	9		30
cis-1,3-Dichloropropene	80		89		70-130	11		30
1,1-Dichloropropene	98		109		70-130	11		30
Bromoform	90		99		70-130	10		30
1,1,2,2-Tetrachloroethane	97		105		70-130	8		30
Benzene	98		109		70-130	11		30
Toluene	95		106		70-130	11		30
Ethylbenzene	102		112		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG646040-4 WG646040-5								
Chloromethane	102		122		52-130	18		30
Bromomethane	102		131		57-147	25		30
Vinyl chloride	109		**138**	Q	67-130	23		30
Chloroethane	93		126		50-151	30		30
1,1-Dichloroethene	105		116		65-135	10		30
trans-1,2-Dichloroethene	100		110		70-130	10		30
Trichloroethene	95		104		70-130	9		30
1,2-Dichlorobenzene	97		106		70-130	9		30
1,3-Dichlorobenzene	99		108		70-130	9		30
1,4-Dichlorobenzene	98		108		70-130	10		30
Methyl tert butyl ether	**63**	Q	69		66-130	9		30
p/m-Xylene	100		110		70-130	10		30
o-Xylene	98		107		70-130	9		30
cis-1,2-Dichloroethene	96		105		70-130	9		30
Dibromomethane	86		96		70-130	11		30
Styrene	101		111		70-130	9		30
Dichlorodifluoromethane	91		98		30-146	7		30
Acetone	75		81		54-140	8		30
Carbon disulfide	100		111		59-130	10		30
2-Butanone	**68**	Q	73		70-130	7		30
Vinyl acetate	81		89		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG646040-4 WG646040-5								
4-Methyl-2-pentanone	78		86		70-130	10		30
1,2,3-Trichloropropane	91		100		68-130	9		30
2-Hexanone	79		85		70-130	7		30
Bromochloromethane	89		99		70-130	11		30
2,2-Dichloropropane	81		90		70-130	11		30
1,2-Dibromoethane	91		101		70-130	10		30
1,3-Dichloropropane	90		100		69-130	11		30
1,1,1,2-Tetrachloroethane	94		105		70-130	11		30
Bromobenzene	96		106		70-130	10		30
n-Butylbenzene	105		113		70-130	7		30
sec-Butylbenzene	105		115		70-130	9		30
tert-Butylbenzene	101		110		70-130	9		30
o-Chlorotoluene	103		113		70-130	9		30
p-Chlorotoluene	101		110		70-130	9		30
1,2-Dibromo-3-chloropropane	82		89		68-130	8		30
Hexachlorobutadiene	95		104		67-130	9		30
Isopropylbenzene	100		111		70-130	10		30
p-Isopropyltoluene	101		110		70-130	9		30
Naphthalene	85		91		70-130	7		30
Acrylonitrile	87		95		70-130	9		30
Isopropyl Ether	89		98		66-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG646040-4 WG646040-5								
tert-Butyl Alcohol	89		98		70-130	10		30
n-Propylbenzene	103		113		70-130	9		30
1,2,3-Trichlorobenzene	93		102		70-130	9		30
1,2,4-Trichlorobenzene	94		102		70-130	8		30
1,3,5-Trimethylbenzene	102		112		70-130	9		30
1,2,4-Trimethylbenzene	100		110		70-130	10		30
Methyl Acetate	89		96		51-146	8		30
Ethyl Acetate	90		97		70-130	7		30
Acrolein	96		99		70-130	3		30
Cyclohexane	93		104		59-142	11		30
1,4-Dioxane	69		79		65-136	14		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		106		50-139	9		30
1,4-Diethylbenzene	102		112		70-130	9		30
4-Ethyltoluene	104		114		70-130	9		30
1,2,4,5-Tetramethylbenzene	95		103		70-130	8		30
Tetrahydrofuran	83		91		66-130	9		30
Ethyl ether	88		98		67-130	11		30
trans-1,4-Dichloro-2-butene	84		92		70-130	9		30
Methyl cyclohexane	94		103		70-130	9		30
Ethyl-Tert-Butyl-Ether	78		87		70-130	11		30
Tertiary-Amyl Methyl Ether	48	Q	54	Q	70-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

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

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG646040-4 WG646040-5

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	100		103		70-130
4-Bromofluorobenzene	99		104		70-130
Dibromofluoromethane	101		102		70-130

SEMIVOLATILES

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-01
Client ID: SB-1 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/19/13 22:40
Analyst: JB
Percent Solids: 87%

Date Collected: 10/10/13 09:36
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	2000		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	150	J	ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	1400		ug/kg	110	37.	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-01
Client ID: SB-1 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 09:36
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2400		ug/kg	150	46.	1
Benzo(b)fluoranthene	2600		ug/kg	110	38.	1
Benzo(k)fluoranthene	950		ug/kg	110	36.	1
Chrysene	1400		ug/kg	110	37.	1
Acenaphthylene	55	J	ug/kg	150	36.	1
Anthracene	360		ug/kg	110	32.	1
Benzo(ghi)perylene	1900		ug/kg	150	40.	1
Fluorene	110	J	ug/kg	190	54.	1
Phenanthrene	1500		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	490		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	150	42.	1
Pyrene	1900		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	97	J	ug/kg	190	63.	1
2-Methylnaphthalene	99	J	ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	170	J	ug/kg	190	41.	1

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-02
Client ID: SB-2 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 10:25
Date Received: 10/11/13
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	66		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	116		0-136
4-Terphenyl-d14	91		18-120

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-02 D
Client ID: SB-2 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/21/13 00:35
Analyst: JB
Percent Solids: 88%

Date Collected: 10/10/13 10:25
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	19000		ug/kg	440	140	4
Phenanthrene	18000		ug/kg	440	140	4
Pyrene	17000		ug/kg	440	140	4

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-03
Client ID: SB-3 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/19/13 23:35
Analyst: JB
Percent Solids: 88%

Date Collected: 10/10/13 11:15
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	600	160	4
1,2,4-Trichlorobenzene	ND		ug/kg	750	250	4
Hexachlorobenzene	ND		ug/kg	450	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	680	210	4
2-Chloronaphthalene	ND		ug/kg	750	240	4
1,2-Dichlorobenzene	ND		ug/kg	750	250	4
1,3-Dichlorobenzene	ND		ug/kg	750	240	4
1,4-Dichlorobenzene	ND		ug/kg	750	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	750	200	4
2,4-Dinitrotoluene	ND		ug/kg	750	160	4
2,6-Dinitrotoluene	ND		ug/kg	750	190	4
Fluoranthene	7000		ug/kg	450	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	750	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	750	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	900	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	810	230	4
Hexachlorobutadiene	ND		ug/kg	750	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	480	4
Hexachloroethane	ND		ug/kg	600	140	4
Isophorone	ND		ug/kg	680	200	4
Naphthalene	ND		ug/kg	750	250	4
Nitrobenzene	ND		ug/kg	680	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	600	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	750	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	750	200	4
Butyl benzyl phthalate	ND		ug/kg	750	150	4
Di-n-butylphthalate	ND		ug/kg	750	140	4
Di-n-octylphthalate	ND		ug/kg	750	180	4
Diethyl phthalate	ND		ug/kg	750	160	4
Dimethyl phthalate	ND		ug/kg	750	190	4
Benzo(a)anthracene	3500		ug/kg	450	150	4

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-03
Client ID: SB-3 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 11:15
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3800		ug/kg	600	180	4
Benzo(b)fluoranthene	4200		ug/kg	450	150	4
Benzo(k)fluoranthene	1500		ug/kg	450	140	4
Chrysene	3800		ug/kg	450	150	4
Acenaphthylene	ND		ug/kg	600	140	4
Anthracene	1300		ug/kg	450	120	4
Benzo(ghi)perylene	2300		ug/kg	600	160	4
Fluorene	1100		ug/kg	750	220	4
Phenanthrene	420	J	ug/kg	450	150	4
Dibenzo(a,h)anthracene	600		ug/kg	450	140	4
Indeno(1,2,3-cd)Pyrene	2200		ug/kg	600	170	4
Pyrene	7600		ug/kg	450	150	4
Biphenyl	ND		ug/kg	1700	250	4
4-Chloroaniline	ND		ug/kg	750	200	4
2-Nitroaniline	ND		ug/kg	750	210	4
3-Nitroaniline	ND		ug/kg	750	210	4
4-Nitroaniline	ND		ug/kg	750	200	4
Dibenzofuran	ND		ug/kg	750	250	4
2-Methylnaphthalene	ND		ug/kg	900	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	750	230	4
Acetophenone	ND		ug/kg	750	230	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
P-Chloro-M-Cresol	ND		ug/kg	750	220	4
2-Chlorophenol	ND		ug/kg	750	230	4
2,4-Dichlorophenol	ND		ug/kg	680	240	4
2,4-Dimethylphenol	ND		ug/kg	750	220	4
2-Nitrophenol	ND		ug/kg	1600	240	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	600	160	4
Phenol	ND		ug/kg	750	220	4
2-Methylphenol	ND		ug/kg	750	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	750	240	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	750	230	4
Carbazole	ND		ug/kg	750	160	4

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-03
Client ID: SB-3 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 11:15
Date Received: 10/11/13
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	79		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	**294**	Q	23-120
2-Fluorobiphenyl	107		30-120
2,4,6-Tribromophenol	**137**	Q	0-136
4-Terphenyl-d14	100		18-120

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-04
Client ID: SB-4 (2-3)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/20/13 00:02
Analyst: JB
Percent Solids: 92%

Date Collected: 10/10/13 12:05
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	360		ug/kg	280	73.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	99.	2
2-Chloronaphthalene	ND		ug/kg	350	120	2
1,2-Dichlorobenzene	ND		ug/kg	350	120	2
1,3-Dichlorobenzene	ND		ug/kg	350	110	2
1,4-Dichlorobenzene	ND		ug/kg	350	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	76.	2
2,6-Dinitrotoluene	ND		ug/kg	350	90.	2
Fluoranthene	2600		ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	81.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	350	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	64.	2
Isophorone	ND		ug/kg	320	94.	2
Naphthalene	980		ug/kg	350	120	2
Nitrobenzene	ND		ug/kg	320	84.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	74.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	100	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	350	93.	2
Butyl benzyl phthalate	ND		ug/kg	350	69.	2
Di-n-butylphthalate	ND		ug/kg	350	68.	2
Di-n-octylphthalate	ND		ug/kg	350	87.	2
Diethyl phthalate	ND		ug/kg	350	75.	2
Dimethyl phthalate	ND		ug/kg	350	90.	2
Benzo(a)anthracene	1400		ug/kg	210	69.	2

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-04
Client ID: SB-4 (2-3)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:05
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1500		ug/kg	280	86.	2
Benzo(b)fluoranthene	2000		ug/kg	210	71.	2
Benzo(k)fluoranthene	730		ug/kg	210	68.	2
Chrysene	1600		ug/kg	210	69.	2
Acenaphthylene	280		ug/kg	280	66.	2
Anthracene	530		ug/kg	210	59.	2
Benzo(ghi)perylene	980		ug/kg	280	74.	2
Fluorene	280	J	ug/kg	350	100	2
Phenanthrene	1900		ug/kg	210	69.	2
Dibenzo(a,h)anthracene	240		ug/kg	210	68.	2
Indeno(1,2,3-cd)Pyrene	1000		ug/kg	280	78.	2
Pyrene	2400		ug/kg	210	69.	2
Biphenyl	ND		ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	350	93.	2
2-Nitroaniline	ND		ug/kg	350	100	2
3-Nitroaniline	ND		ug/kg	350	98.	2
4-Nitroaniline	ND		ug/kg	350	96.	2
Dibenzofuran	210	J	ug/kg	350	120	2
2-Methylnaphthalene	270	J	ug/kg	420	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	110	2
Acetophenone	ND		ug/kg	350	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	350	100	2
2-Chlorophenol	ND		ug/kg	350	110	2
2,4-Dichlorophenol	ND		ug/kg	320	110	2
2,4-Dimethylphenol	ND		ug/kg	350	100	2
2-Nitrophenol	ND		ug/kg	760	110	2
4-Nitrophenol	ND		ug/kg	500	110	2
2,4-Dinitrophenol	ND		ug/kg	1700	480	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	350	110	2
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	170	J	ug/kg	350	76.	2

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-05
Client ID: SB-5 (7-8)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:45
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	510		ug/kg	150	47.	1
Benzo(b)fluoranthene	850		ug/kg	120	39.	1
Benzo(k)fluoranthene	270		ug/kg	120	37.	1
Chrysene	900		ug/kg	120	38.	1
Acenaphthylene	88	J	ug/kg	150	36.	1
Anthracene	190		ug/kg	120	32.	1
Benzo(ghi)perylene	380		ug/kg	150	40.	1
Fluorene	87	J	ug/kg	190	55.	1
Phenanthrene	1300		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	120		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	390		ug/kg	150	43.	1
Pyrene	910		ug/kg	120	38.	1
Biphenyl	110	J	ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	160	J	ug/kg	190	64.	1
2-Methylnaphthalene	460		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-05
Client ID: SB-5 (7-8)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:45
Date Received: 10/11/13
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	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	111		0-136
4-Terphenyl-d14	95		18-120

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-06 D
Client ID: SB-6 (7-8)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/21/13 01:02
Analyst: JB
Percent Solids: 82%

Date Collected: 10/10/13 13:40
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	860		ug/kg	790	200	5
1,2,4-Trichlorobenzene	ND		ug/kg	990	320	5
Hexachlorobenzene	ND		ug/kg	600	180	5
Bis(2-chloroethyl)ether	ND		ug/kg	890	280	5
2-Chloronaphthalene	ND		ug/kg	990	320	5
1,2-Dichlorobenzene	ND		ug/kg	990	330	5
1,3-Dichlorobenzene	ND		ug/kg	990	310	5
1,4-Dichlorobenzene	ND		ug/kg	990	300	5
3,3'-Dichlorobenzidine	ND		ug/kg	990	260	5
2,4-Dinitrotoluene	ND		ug/kg	990	210	5
2,6-Dinitrotoluene	ND		ug/kg	990	250	5
Fluoranthene	20000		ug/kg	600	180	5
4-Chlorophenyl phenyl ether	ND		ug/kg	990	300	5
4-Bromophenyl phenyl ether	ND		ug/kg	990	230	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	350	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1100	300	5
Hexachlorobutadiene	ND		ug/kg	990	280	5
Hexachlorocyclopentadiene	ND		ug/kg	2800	640	5
Hexachloroethane	ND		ug/kg	790	180	5
Isophorone	ND		ug/kg	890	260	5
Naphthalene	700	J	ug/kg	990	330	5
Nitrobenzene	ND		ug/kg	890	240	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	790	210	5
n-Nitrosodi-n-propylamine	ND		ug/kg	990	300	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	990	260	5
Butyl benzyl phthalate	ND		ug/kg	990	190	5
Di-n-butylphthalate	ND		ug/kg	990	190	5
Di-n-octylphthalate	ND		ug/kg	990	240	5
Diethyl phthalate	ND		ug/kg	990	210	5
Dimethyl phthalate	ND		ug/kg	990	250	5
Benzo(a)anthracene	9700		ug/kg	600	190	5

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-06 D
Client ID: SB-6 (7-8)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 13:40
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	9900		ug/kg	790	240	5
Benzo(b)fluoranthene	11000		ug/kg	600	200	5
Benzo(k)fluoranthene	4900		ug/kg	600	190	5
Chrysene	11000		ug/kg	600	200	5
Acenaphthylene	1400		ug/kg	790	180	5
Anthracene	4100		ug/kg	600	160	5
Benzo(ghi)perylene	4700		ug/kg	790	210	5
Fluorene	1200		ug/kg	990	280	5
Phenanthrene	13000		ug/kg	600	190	5
Dibenzo(a,h)anthracene	1700		ug/kg	600	190	5
Indeno(1,2,3-cd)Pyrene	6000		ug/kg	790	220	5
Pyrene	17000		ug/kg	600	190	5
Biphenyl	ND		ug/kg	2300	330	5
4-Chloroaniline	ND		ug/kg	990	260	5
2-Nitroaniline	ND		ug/kg	990	280	5
3-Nitroaniline	ND		ug/kg	990	270	5
4-Nitroaniline	ND		ug/kg	990	270	5
Dibenzofuran	630	J	ug/kg	990	330	5
2-Methylnaphthalene	360	J	ug/kg	1200	320	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	990	310	5
Acetophenone	ND		ug/kg	990	310	5
2,4,6-Trichlorophenol	ND		ug/kg	600	190	5
P-Chloro-M-Cresol	ND		ug/kg	990	290	5
2-Chlorophenol	ND		ug/kg	990	300	5
2,4-Dichlorophenol	ND		ug/kg	890	320	5
2,4-Dimethylphenol	ND		ug/kg	990	300	5
2-Nitrophenol	ND		ug/kg	2100	310	5
4-Nitrophenol	ND		ug/kg	1400	320	5
2,4-Dinitrophenol	ND		ug/kg	4800	1400	5
4,6-Dinitro-o-cresol	ND		ug/kg	2600	360	5
Pentachlorophenol	ND		ug/kg	790	210	5
Phenol	ND		ug/kg	990	290	5
2-Methylphenol	ND		ug/kg	990	320	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	320	5
2,4,5-Trichlorophenol	ND		ug/kg	990	320	5
Benzoic Acid	ND		ug/kg	3200	1000	5
Benzyl Alcohol	ND		ug/kg	990	300	5
Carbazole	750	J	ug/kg	990	210	5

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-06 D
Client ID: SB-6 (7-8)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 13:40
Date Received: 10/11/13
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	70		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	**142**	Q	0-136
4-Terphenyl-d14	110		18-120

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-07 D
Client ID: SB-7 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/21/13 01:29
Analyst: JB
Percent Solids: 79%

Date Collected: 10/10/13 14:40
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3200		ug/kg	1600	420	10
1,2,4-Trichlorobenzene	ND		ug/kg	2000	670	10
Hexachlorobenzene	ND		ug/kg	1200	380	10
Bis(2-chloroethyl)ether	ND		ug/kg	1800	580	10
2-Chloronaphthalene	ND		ug/kg	2000	670	10
1,2-Dichlorobenzene	ND		ug/kg	2000	680	10
1,3-Dichlorobenzene	ND		ug/kg	2000	650	10
1,4-Dichlorobenzene	ND		ug/kg	2000	620	10
3,3'-Dichlorobenzidine	ND		ug/kg	2000	550	10
2,4-Dinitrotoluene	ND		ug/kg	2000	440	10
2,6-Dinitrotoluene	ND		ug/kg	2000	530	10
Fluoranthene	66000		ug/kg	1200	380	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2000	630	10
4-Bromophenyl phenyl ether	ND		ug/kg	2000	470	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2500	720	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2200	620	10
Hexachlorobutadiene	ND		ug/kg	2000	580	10
Hexachlorocyclopentadiene	ND		ug/kg	5900	1300	10
Hexachloroethane	ND		ug/kg	1600	370	10
Isophorone	ND		ug/kg	1800	550	10
Naphthalene	18000		ug/kg	2000	680	10
Nitrobenzene	ND		ug/kg	1800	490	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1600	430	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2000	610	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2000	540	10
Butyl benzyl phthalate	ND		ug/kg	2000	400	10
Di-n-butylphthalate	ND		ug/kg	2000	400	10
Di-n-octylphthalate	ND		ug/kg	2000	510	10
Diethyl phthalate	ND		ug/kg	2000	440	10
Dimethyl phthalate	ND		ug/kg	2000	520	10
Benzo(a)anthracene	40000		ug/kg	1200	400	10

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-07 D
Client ID: SB-7 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 14:40
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	62000		ug/kg	1600	500	10
Benzo(b)fluoranthene	70000		ug/kg	1200	420	10
Benzo(k)fluoranthene	24000		ug/kg	1200	390	10
Chrysene	39000		ug/kg	1200	400	10
Acenaphthylene	2200		ug/kg	1600	380	10
Anthracene	13000		ug/kg	1200	340	10
Benzo(ghi)perylene	40000		ug/kg	1600	430	10
Fluorene	3400		ug/kg	2000	590	10
Phenanthrene	22000		ug/kg	1200	400	10
Dibenzo(a,h)anthracene	12000		ug/kg	1200	400	10
Indeno(1,2,3-cd)Pyrene	48000		ug/kg	1600	460	10
Pyrene	47000		ug/kg	1200	400	10
Biphenyl	ND		ug/kg	4700	680	10
4-Chloroaniline	ND		ug/kg	2000	540	10
2-Nitroaniline	ND		ug/kg	2000	580	10
3-Nitroaniline	ND		ug/kg	2000	570	10
4-Nitroaniline	ND		ug/kg	2000	560	10
Dibenzofuran	ND		ug/kg	2000	690	10
2-Methylnaphthalene	2100	J	ug/kg	2500	660	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2000	640	10
Acetophenone	ND		ug/kg	2000	640	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	390	10
P-Chloro-M-Cresol	ND		ug/kg	2000	600	10
2-Chlorophenol	ND		ug/kg	2000	620	10
2,4-Dichlorophenol	ND		ug/kg	1800	670	10
2,4-Dimethylphenol	ND		ug/kg	2000	610	10
2-Nitrophenol	ND		ug/kg	4400	640	10
4-Nitrophenol	ND		ug/kg	2900	670	10
2,4-Dinitrophenol	ND		ug/kg	9900	2800	10
4,6-Dinitro-o-cresol	ND		ug/kg	5400	750	10
Pentachlorophenol	ND		ug/kg	1600	440	10
Phenol	ND		ug/kg	2000	610	10
2-Methylphenol	ND		ug/kg	2000	660	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	3000	680	10
2,4,5-Trichlorophenol	ND		ug/kg	2000	670	10
Benzoic Acid	ND		ug/kg	6700	2100	10
Benzyl Alcohol	ND		ug/kg	2000	630	10
Carbazole	2500		ug/kg	2000	440	10

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-07 D
Client ID: SB-7 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 14:40
Date Received: 10/11/13
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	88		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	112		30-120
2,4,6-Tribromophenol	**171**	Q	0-136
4-Terphenyl-d14	**137**	Q	18-120

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-08 D
Client ID: SB-8 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/21/13 01:56
Analyst: JB
Percent Solids: 84%

Date Collected: 10/10/13 16:15
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2300	J	ug/kg	3200	810	20
1,2,4-Trichlorobenzene	ND		ug/kg	4000	1300	20
Hexachlorobenzene	ND		ug/kg	2400	740	20
Bis(2-chloroethyl)ether	ND		ug/kg	3600	1100	20
2-Chloronaphthalene	ND		ug/kg	4000	1300	20
1,2-Dichlorobenzene	ND		ug/kg	4000	1300	20
1,3-Dichlorobenzene	ND		ug/kg	4000	1200	20
1,4-Dichlorobenzene	ND		ug/kg	4000	1200	20
3,3'-Dichlorobenzidine	ND		ug/kg	4000	1000	20
2,4-Dinitrotoluene	ND		ug/kg	4000	850	20
2,6-Dinitrotoluene	ND		ug/kg	4000	1000	20
Fluoranthene	120000		ug/kg	2400	720	20
4-Chlorophenyl phenyl ether	ND		ug/kg	4000	1200	20
4-Bromophenyl phenyl ether	ND		ug/kg	4000	910	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	4700	1400	20
Bis(2-chloroethoxy)methane	ND		ug/kg	4300	1200	20
Hexachlorobutadiene	ND		ug/kg	4000	1100	20
Hexachlorocyclopentadiene	ND		ug/kg	11000	2500	20
Hexachloroethane	ND		ug/kg	3200	720	20
Isophorone	ND		ug/kg	3600	1000	20
Naphthalene	3200	J	ug/kg	4000	1300	20
Nitrobenzene	ND		ug/kg	3600	940	20
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	3200	830	20
n-Nitrosodi-n-propylamine	ND		ug/kg	4000	1200	20
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	4000	1000	20
Butyl benzyl phthalate	ND		ug/kg	4000	770	20
Di-n-butylphthalate	ND		ug/kg	4000	760	20
Di-n-octylphthalate	ND		ug/kg	4000	970	20
Diethyl phthalate	ND		ug/kg	4000	840	20
Dimethyl phthalate	ND		ug/kg	4000	1000	20
Benzo(a)anthracene	52000		ug/kg	2400	770	20

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-08 D
Client ID: SB-8 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 16:15
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	59000		ug/kg	3200	970	20
Benzo(b)fluoranthene	71000		ug/kg	2400	800	20
Benzo(k)fluoranthene	27000		ug/kg	2400	750	20
Chrysene	52000		ug/kg	2400	780	20
Acenaphthylene	10000		ug/kg	3200	740	20
Anthracene	15000		ug/kg	2400	660	20
Benzo(ghi)perylene	38000		ug/kg	3200	820	20
Fluorene	2900	J	ug/kg	4000	1100	20
Phenanthrene	42000		ug/kg	2400	770	20
Dibenzo(a,h)anthracene	8500		ug/kg	2400	760	20
Indeno(1,2,3-cd)Pyrene	42000		ug/kg	3200	880	20
Pyrene	110000		ug/kg	2400	770	20
Biphenyl	ND		ug/kg	9000	1300	20
4-Chloroaniline	ND		ug/kg	4000	1000	20
2-Nitroaniline	ND		ug/kg	4000	1100	20
3-Nitroaniline	ND		ug/kg	4000	1100	20
4-Nitroaniline	ND		ug/kg	4000	1100	20
Dibenzofuran	1900	J	ug/kg	4000	1300	20
2-Methylnaphthalene	ND		ug/kg	4700	1300	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	4000	1200	20
Acetophenone	ND		ug/kg	4000	1200	20
2,4,6-Trichlorophenol	ND		ug/kg	2400	740	20
P-Chloro-M-Cresol	ND		ug/kg	4000	1100	20
2-Chlorophenol	ND		ug/kg	4000	1200	20
2,4-Dichlorophenol	ND		ug/kg	3600	1300	20
2,4-Dimethylphenol	ND		ug/kg	4000	1200	20
2-Nitrophenol	ND		ug/kg	8500	1200	20
4-Nitrophenol	ND		ug/kg	5500	1300	20
2,4-Dinitrophenol	ND		ug/kg	19000	5400	20
4,6-Dinitro-o-cresol	ND		ug/kg	10000	1400	20
Pentachlorophenol	ND		ug/kg	3200	840	20
Phenol	ND		ug/kg	4000	1200	20
2-Methylphenol	ND		ug/kg	4000	1300	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	5700	1300	20
2,4,5-Trichlorophenol	ND		ug/kg	4000	1300	20
Benzoic Acid	ND		ug/kg	13000	4000	20
Benzyl Alcohol	ND		ug/kg	4000	1200	20
Carbazole	ND		ug/kg	4000	850	20

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-08 D
Client ID: SB-8 (4-5)
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 16:15
Date Received: 10/11/13
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	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	**0**	Q	18-120

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-09
Client ID: TW-1
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/19/13 00:24
Analyst: PS

Date Collected: 10/10/13 09:50
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-09
Client ID: TW-1
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 09:50
Date Received: 10/11/13
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	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	115		41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-09 D
Client ID: TW-1
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/17/13 00:14
Analyst: HL

Date Collected: 10/10/13 09:50
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	1.0	0.32	5
2-Chloronaphthalene	ND		ug/l	1.0	0.33	5
Fluoranthene	1.9		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	0.56	J	ug/l	1.0	0.28	5
Benzo(a)pyrene	ND		ug/l	1.0	0.34	5
Benzo(b)fluoranthene	0.75	J	ug/l	1.0	0.36	5
Benzo(k)fluoranthene	ND		ug/l	1.0	0.34	5
Chrysene	0.71	J	ug/l	1.0	0.24	5
Acenaphthylene	ND		ug/l	1.0	0.25	5
Anthracene	ND		ug/l	1.0	0.32	5
Benzo(ghi)perylene	ND		ug/l	1.0	0.35	5
Fluorene	ND		ug/l	1.0	0.28	5
Phenanthrene	ND		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	ND		ug/l	1.0	0.40	5
Pyrene	0.95	J	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	44		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	**129**	Q	10-120
4-Terphenyl-d14	140		41-149

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID:	L1320481-10	Date Collected:	10/10/13 10:35
Client ID:	TW-2	Date Received:	10/11/13
Sample Location:	55-01 2ND STREET	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	10/12/13 09:43
Analytical Date:	10/19/13 00:48		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	0.90	J	ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	4.6		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-10
Client ID: TW-2
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 10:35
Date Received: 10/11/13
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	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	1.3	J	ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	0.77	J	ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	1.7	J	ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	8.5		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	106		15-120
2,4,6-Tribromophenol	120		10-120
4-Terphenyl-d14	124		41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID:	L1320481-10	D	Date Collected:	10/10/13 10:35
Client ID:	TW-2		Date Received:	10/11/13
Sample Location:	55-01 2ND STREET		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM		Extraction Date:	10/12/13 09:41
Analytical Date:	10/17/13 00:45			
Analyst:	HL			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	6.7		ug/l	1.0	0.32	5
2-Chloronaphthalene	ND		ug/l	1.0	0.33	5
Fluoranthene	4.2		ug/l	1.0	0.22	5
Hexachlorobutadiene	ND		ug/l	2.5	0.36	5
Naphthalene	24		ug/l	1.0	0.32	5
Benzo(a)anthracene	1.2		ug/l	1.0	0.28	5
Benzo(a)pyrene	0.97	J	ug/l	1.0	0.34	5
Benzo(b)fluoranthene	1.3		ug/l	1.0	0.36	5
Benzo(k)fluoranthene	0.55	J	ug/l	1.0	0.34	5
Chrysene	1.4		ug/l	1.0	0.24	5
Acenaphthylene	ND		ug/l	1.0	0.25	5
Anthracene	2.2		ug/l	1.0	0.32	5
Benzo(ghi)perylene	0.72	J	ug/l	1.0	0.35	5
Fluorene	4.6		ug/l	1.0	0.28	5
Phenanthrene	12		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	0.74	J	ug/l	1.0	0.40	5
Pyrene	3.3		ug/l	1.0	0.28	5
2-Methylnaphthalene	3.0		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	64		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	119		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	**156**	Q	41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-11
Client ID: TW-3
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/19/13 01:12
Analyst: PS

Date Collected: 10/10/13 11:20
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	4.4		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Lab Number: L1320481
Project Number: 11824
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-11
Client ID: TW-3
Sample Location: 55-01 2ND STREET
Date Collected: 10/10/13 11:20
Date Received: 10/11/13
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	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	102		15-120
2,4,6-Tribromophenol	121	Q	10-120
4-Terphenyl-d14	130		41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-11 D
Client ID: TW-3
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/17/13 01:16
Analyst: HL

Date Collected: 10/10/13 11:20
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	11		ug/l	1.0	0.32	5
2-Chloronaphthalene	ND		ug/l	1.0	0.33	5
Fluoranthene	7.4		ug/l	1.0	0.22	5
Hexachlorobutadiene	ND		ug/l	2.5	0.36	5
Naphthalene	0.74	J	ug/l	1.0	0.32	5
Benzo(a)anthracene	1.2		ug/l	1.0	0.28	5
Benzo(a)pyrene	0.94	J	ug/l	1.0	0.34	5
Benzo(b)fluoranthene	1.1		ug/l	1.0	0.36	5
Benzo(k)fluoranthene	0.45	J	ug/l	1.0	0.34	5
Chrysene	1.1		ug/l	1.0	0.24	5
Acenaphthylene	0.43	J	ug/l	1.0	0.25	5
Anthracene	3.2		ug/l	1.0	0.32	5
Benzo(ghi)perylene	0.58	J	ug/l	1.0	0.35	5
Fluorene	6.9		ug/l	1.0	0.28	5
Phenanthrene	12		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	0.62	J	ug/l	1.0	0.40	5
Pyrene	6.0		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	57		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	114		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	**150**	Q	10-120
4-Terphenyl-d14	**150**	Q	41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-12
Client ID: TW-4
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/19/13 01:36
Analyst: PS

Date Collected: 10/10/13 12:20
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-12
Client ID: TW-4
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 12:20
Date Received: 10/11/13
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	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	126		41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-13
Client ID: TW-5
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/19/13 02:00
Analyst: PS

Date Collected: 10/10/13 12:55
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-14
Client ID: TW-6
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 13:50
Date Received: 10/11/13
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	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	117		41-149

Project Name: 55-01 2ND STREET
Project Number: 11824

Serial_No:10221318:57
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-15
Client ID: TW-7
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/20/13 10:16
Analyst: PS

Date Collected: 10/10/13 14:50
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Benzidine	ND		ug/l	20	0.26	1
n-Nitrosodimethylamine	ND		ug/l	2.0	0.55	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
Azobenzene	ND		ug/l	2.0	0.58	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Aniline	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	0.72	J	ug/l	2.0	0.47	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-15
Client ID: TW-7
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 14:50
Date Received: 10/11/13
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	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	7.0	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Pyridine	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	106		41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824
Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-15 D
Client ID: TW-7
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/17/13 01:46
Analyst: HL

Date Collected: 10/10/13 14:50
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.0		ug/l	1.0	0.32	5
2-Chloronaphthalene	ND		ug/l	1.0	0.33	5
Fluoranthene	7.6		ug/l	1.0	0.22	5
Hexachlorobutadiene	ND		ug/l	2.5	0.36	5
Naphthalene	0.69	J	ug/l	1.0	0.32	5
Benzo(a)anthracene	1.3		ug/l	1.0	0.28	5
Benzo(a)pyrene	0.88	J	ug/l	1.0	0.34	5
Benzo(b)fluoranthene	1.2		ug/l	1.0	0.36	5
Benzo(k)fluoranthene	0.51	J	ug/l	1.0	0.34	5
Chrysene	1.2		ug/l	1.0	0.24	5
Acenaphthylene	0.66	J	ug/l	1.0	0.25	5
Anthracene	1.5		ug/l	1.0	0.32	5
Benzo(ghi)perylene	0.50	J	ug/l	1.0	0.35	5
Fluorene	1.9		ug/l	1.0	0.28	5
Phenanthrene	1.2		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	0.56	J	ug/l	1.0	0.40	5
Pyrene	5.4		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	47		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	**129**	Q	10-120
4-Terphenyl-d14	135		41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-16
Client ID: TW-8
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/20/13 10:45
Analyst: PS

Date Collected: 10/10/13 16:25
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Benzidine	ND		ug/l	20	0.26	1
n-Nitrosodimethylamine	ND		ug/l	2.0	0.55	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
Azobenzene	ND		ug/l	2.0	0.58	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Aniline	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-16
Client ID: TW-8
Sample Location: 55-01 2ND STREET

Date Collected: 10/10/13 16:25
Date Received: 10/11/13
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	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Pyridine	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	97		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	112		41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-16
Client ID: TW-8
Sample Location: 55-01 2ND STREET
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/13 23:43
Analyst: HL

Date Collected: 10/10/13 16:25
Date Received: 10/11/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:41

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	0.05	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	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	0.07	J	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	48		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	128		41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/13 20:45
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-16 Batch: WG643438-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/13 20:45
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-16 Batch: WG643438-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	105		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	144		41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/13 07:56
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09-16 Batch: WG643439-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	0.08	J	ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.28	J	ug/l	0.50	0.07
Naphthalene	0.12	J	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	0.11	J	ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.23	J	ug/l	0.80	0.07

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/13 07:56
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 10/12/13 09:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09-16 Batch: WG643439-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	114		15-120
2,4,6-Tribromophenol	**134**	Q	10-120
4-Terphenyl-d14	**182**	Q	41-149

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/13 17:33
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG643464-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/13 17:33
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG643464-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/13 17:33
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/12/13 11:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG643464-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	102		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09-16 Batch: WG643439-2 WG643439-3								
Acenaphthene	91		103		37-111	12		40
2-Chloronaphthalene	94		110		40-140	16		40
Fluoranthene	122		136		40-140	11		40
Hexachlorobutadiene	94		108		40-140	14		40
Naphthalene	86		102		40-140	17		40
Benzo(a)anthracene	118		132		40-140	11		40
Benzo(a)pyrene	110		125		40-140	13		40
Benzo(b)fluoranthene	133		131		40-140	2		40
Benzo(k)fluoranthene	115		136		40-140	17		40
Chrysene	106		124		40-140	16		40
Acenaphthylene	102		119		40-140	15		40
Anthracene	110		123		40-140	11		40
Benzo(ghi)perylene	112		125		40-140	11		40
Fluorene	103		114		40-140	10		40
Phenanthrene	105		117		40-140	11		40
Dibenzo(a,h)anthracene	116		130		40-140	11		40
Indeno(1,2,3-cd)Pyrene	117		131		40-140	11		40
Pyrene	117		**131**	Q	26-127	11		40
2-Methylnaphthalene	87		102		40-140	16		40
Pentachlorophenol	101		**118**	Q	9-103	16		40
Hexachlorobenzene	102		115		40-140	12		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09-16 Batch: WG643439-2 WG643439-3								
Hexachloroethane	81		94		40-140	15		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		66		21-120
Phenol-d6	38		45		10-120
Nitrobenzene-d5	87		105		23-120
2-Fluorobiphenyl	96		113		15-120
2,4,6-Tribromophenol	**130**	Q	**150**	Q	10-120
4-Terphenyl-d14	144		**160**	Q	41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG643464-2 WG643464-3								
Acenaphthene	111		122		31-137	9		50
1,2,4-Trichlorobenzene	98		107		38-107	9		50
Hexachlorobenzene	117		123		40-140	5		50
Bis(2-chloroethyl)ether	97		107		40-140	10		50
2-Chloronaphthalene	106		116		40-140	9		50
1,2-Dichlorobenzene	96		104		40-140	8		50
1,3-Dichlorobenzene	93		101		40-140	8		50
1,4-Dichlorobenzene	95		101		28-104	6		50
3,3'-Dichlorobenzidine	65		62		40-140	5		50
2,4-Dinitrotoluene	**133**	Q	**143**	Q	28-89	7		50
2,6-Dinitrotoluene	126		130		40-140	3		50
Fluoranthene	125		133		40-140	6		50
4-Chlorophenyl phenyl ether	117		124		40-140	6		50
4-Bromophenyl phenyl ether	121		129		40-140	6		50
Bis(2-chloroisopropyl)ether	94		106		40-140	12		50
Bis(2-chloroethoxy)methane	102		113		40-117	10		50
Hexachlorobutadiene	94		103		40-140	9		50
Hexachlorocyclopentadiene	72		84		40-140	15		50
Hexachloroethane	91		100		40-140	9		50
Isophorone	106		117		40-140	10		50
Naphthalene	99		109		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG643464-2 WG643464-3								
Nitrobenzene	104		115		40-140	10		50
NitrosoDiPhenylAmine(NDPA)/DPA	124		130			5		50
n-Nitrosodi-n-propylamine	107		120		32-121	11		50
Bis(2-Ethylhexyl)phthalate	135		**150**	Q	40-140	11		50
Butyl benzyl phthalate	140		**150**	Q	40-140	7		50
Di-n-butylphthalate	128		138		40-140	8		50
Di-n-octylphthalate	**144**	Q	**156**	Q	40-140	8		50
Diethyl phthalate	122		131		40-140	7		50
Dimethyl phthalate	120		128		40-140	6		50
Benzo(a)anthracene	121		133		40-140	9		50
Benzo(a)pyrene	124		137		40-140	10		50
Benzo(b)fluoranthene	125		**141**	Q	40-140	12		50
Benzo(k)fluoranthene	117		128		40-140	9		50
Chrysene	116		128		40-140	10		50
Acenaphthylene	110		122		40-140	10		50
Anthracene	119		133		40-140	11		50
Benzo(ghi)perylene	113		130		40-140	14		50
Fluorene	118		127		40-140	7		50
Phenanthrene	116		128		40-140	10		50
Dibenzo(a,h)anthracene	122		135		40-140	10		50
Indeno(1,2,3-cd)Pyrene	120		138		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG643464-2 WG643464-3								
Pyrene	124		131		35-142	5		50
Biphenyl	109		121			10		50
4-Chloroaniline	94		101		40-140	7		50
2-Nitroanilne	**136**	Q	**143**	Q	47-134	5		50
3-Nitroaniline	95		90		26-129	5		50
4-Nitroaniline	**131**	Q	**134**	Q	41-125	2		50
Dibenzofuran	114		126		40-140	10		50
2-Methylnaphthalene	100		111		40-140	10		50
1,2,4,5-Tetrachlorobenzene	105		117		40-117	11		50
Acetophenone	101		106		14-144	5		50
2,4,6-Trichlorophenol	124		**136**	Q	30-130	9		50
P-Chloro-M-Cresol	**123**	Q	**136**	Q	26-103	10		50
2-Chlorophenol	**109**	Q	**120**	Q	25-102	10		50
2,4-Dichlorophenol	119		**132**	Q	30-130	10		50
2,4-Dimethylphenol	108		124		30-130	14		50
2-Nitrophenol	112		123		30-130	9		50
4-Nitrophenol	**118**	Q	**124**	Q	11-114	5		50
2,4-Dinitrophenol	98		110		4-130	12		50
4,6-Dinitro-o-cresol	111		121		10-130	9		50
Pentachlorophenol	104		**118**	Q	17-109	13		50
Phenol	**109**	Q	**124**	Q	26-90	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG643464-2 WG643464-3								
2-Methylphenol	111		126		30-130.	13		50
3-Methylphenol/4-Methylphenol	110		119		30-130	8		50
2,4,5-Trichlorophenol	119		**133**	Q	30-130	11		50
Benzoic Acid	60		94			44		50
Benzyl Alcohol	111		128		40-140	14		50
Carbazole	124		**135**	Q	54-128	8		50
Benzaldehyde	93		83			11		50
Caprolactam	121		149			21		50
Atrazine	151		155			3		50
2,3,4,6-Tetrachlorophenol	131		140			7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	102		112		25-120
Phenol-d6	106		115		10-120
Nitrobenzene-d5	99		108		23-120
2-Fluorobiphenyl	100		108		30-120
2,4,6-Tribromophenol	113		127		0-136
4-Terphenyl-d14	114		**122**	Q	18-120

INORGANICS
&
MISCELLANEOUS

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-01
Client ID: SB-1 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil

Date Collected: 10/10/13 09:36
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
heral Chemistry - Westborough Lab										
olids, Total	86.5		%	0.100	NA	1	-	10/14/13 22:21	30,2540G	RT

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-02
Client ID: SB-2 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil

Date Collected: 10/10/13 10:25
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
neral Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	10/14/13 22:21	30,2540G	RT

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-03
Client ID: SB-3 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil

Date Collected: 10/10/13 11:15
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
heral Chemistry - Westborough Lab										
olids, Total	87.8		%	0.100	NA	1	-	10/14/13 22:21	30,2540G	RT

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-04
Client ID: SB-4 (2-3)
Sample Location: 55-01 2ND STREET
Matrix: Soil

Date Collected: 10/10/13 12:05
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
neral Chemistry - Westborough Lab										
olids, Total	91.5		%	0.100	NA	1	-	10/14/13 22:21	30,2540G	RT

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-05
Client ID: SB-5 (7-8)
Sample Location: 55-01 2ND STREET
Matrix: Soil

Date Collected: 10/10/13 12:45
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
neral Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	10/14/13 22:21	30,2540G	RT

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-06
Client ID: SB-6 (7-8)
Sample Location: 55-01 2ND STREET
Matrix: Soil

Date Collected: 10/10/13 13:40
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
heral Chemistry - Westborough Lab										
olids, Total	82.4		%	0.100	NA	1	-	10/14/13 22:21	30,2540G	RT

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-07
Client ID: SB-7 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil

Date Collected: 10/10/13 14:40
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
neral Chemistry - Westborough Lab										
olids, Total	79.4		%	0.100	NA	1	-	10/14/13 22:21	30,2540G	RT

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

SAMPLE RESULTS

Lab ID: L1320481-08
Client ID: SB-8 (4-5)
Sample Location: 55-01 2ND STREET
Matrix: Soil

Date Collected: 10/10/13 16:15
Date Received: 10/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
neral Chemistry - Westborough Lab										
olids, Total	83.7		%	0.100	NA	1	-	10/14/13 22:21	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG643834-1 QC Sample: L1320424-02 Client ID: DUP Sample						
Solids, Total	84.4	88.1	%	4		20

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

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(*)
L1320481-01A	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1320481-01B	Amber 250ml unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1320481-02A	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1320481-02B	Amber 250ml unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1320481-03A	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1320481-03B	Amber 250ml unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1320481-04A	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1320481-04B	Amber 250ml unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1320481-05A	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1320481-05B	Amber 250ml unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1320481-06A	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1320481-06B	Amber 250ml unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1320481-07A	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1320481-07B	Amber 250ml unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1320481-08A	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1320481-08B	Amber 250ml unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1320481-09A	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-09B	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-09C	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-09D	Amber 1000ml unpreserved	B	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-09E	Amber 1000ml unpreserved	B	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-10A	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-10B	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-10C	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1320481-10D	Amber 1000ml unpreserved	B	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-10E	Amber 1000ml unpreserved	B	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-11A	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-11B	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-11C	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-11D	Amber 1000ml unpreserved	B	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-11E	Amber 1000ml unpreserved	B	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-12A	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-12B	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-12C	Vial HCl preserved	B	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1320481-12D	Amber 1000ml unpreserved	B	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-12E	Amber 1000ml unpreserved	B	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-13A	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-13B	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-13C	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-13D	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-13E	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-14A	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-14B	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-14C	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-14D	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-14E	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-15A	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-15B	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-15C	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-15D	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-15E	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-16A	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-16B	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-16C	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Serial_No:10221318:57

Project Name: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1320481-16D	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-16E	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1320481-17A	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1320481-17B	Vial HCl preserved	C	N/A	4.6	Y	Absent	NYTCL-8260(14)

Container Comments

L1320481-01B

L1320481-02B

L1320481-03B

L1320481-04B

L1320481-05B

L1320481-06B

L1320481-07B

L1320481-08B

*Values in parentheses indicate holding time in days

Project Name: 55-01 2ND STREET **Lab Number:** L1320481

Project Number: 11824 **Report Date:** 10/22/13

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: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

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: 55-01 2ND STREET
Project Number: 11824

Lab Number: L1320481
Report Date: 10/22/13

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.

Serial_No:10221318:57

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D, Organic Parameters: 608, 624, 625, 8011,

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^-$ D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 10/12/13

ALPHA Job #: L1320481

ALPHA
BORO, MA 508-898-9220 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: AKRF
Address: 440 Park Ave. S
New York, NY
Phone: 646-388-9529
Email: aschwendt@akrf.com
These samples have been previously analyzed by Alpha

Project Information

Project Name: 55-01 2nd Street
Project Location: 11
Project #: 11824
Project Manager: Axel Schwendt
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 10/18/13 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 11824

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NY SCFEC	Part 375 Unrestricted

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	SVOL-8270	Sample Specific Comments	TOTAL # BOTTLES
481 1	SB-1 (4-5)	10/10/13	0936	S	RA	X	X		2
2	SB-2 (4-5)	10/10/13	1025	S	RA				2
3	SB-3 (4-5)	10/10/13	1115	S	RA				2
4	SB-4 (2-3)	10/10/13	1205	S	RA				2
5	SB-5 (7-8)	10/10/13	1245	S	RA				2
6	SB-6 (7-8)	10/10/13	1340	S	RA				2
7	SB-7 (4-5)	10/10/13	1440	S	RA				2
8	SB-8 (4-5)	10/10/13	1615	S	RA				2

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do (Please specify below)

Container Type	A	A
Preservative	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	10-11-13/ 13:30		10/11/13 13:30
	10-11-13 1836		10/11/13 1836
	10/11/13 23:15		10/11/13 23:15

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.

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 10/12/13

ALPHA Job #: L1320481

ALPHA ANALYTICAL
TBORO, MA 508-898-9220 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: AKRF
Address: 440 Park Ave. S
New York, NY
Phone: 646-388-9520
Email: aschwendt@akrf.com

These samples have been previously analyzed by Alpha

Project Information

Project Name: SS-01 2nd Street
Project Location: " "
Project #: 11824
Project Manager: Axel Schwendt
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 10/18/13 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client Info PO #: 11824

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NY SDEC	Part 375 Unrestricted

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOC-8260	SVOC-8270	Sample Specific Comments	TOTAL # BOTTLES
9	TW-1	10/10/13	0950	GW	RA	X	X		5
10	TW-2	10/10/13	1035	GW	RA	↓	↓		5
11	TW-3	10/10/13	1120	GW	RA	↓	↓		5
12	TW-4	10/10/13	1220	GW	RA	↓	↓		5
13	TW-5	10/10/13	1255	GW	RA	↓	↓		5
14	TW-6	10/10/13	1350	GW	RA	↓	↓		5
15	TW-7	10/10/13	1450	GW	RA	↓	↓		5
16	TW-8	10/10/13	1625	GW	RA	↓	↓		5
17	Trip Blank	10/9/13	—	DI water	KS	↓			2

	VOC-8260	SVOC-8270
Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10-11-13 13:20	[signature]	10-11-13 13:20
[signature]	10-11-13 1836	[signature]	10/11/13 1836
[signature]	10/11/13 23:15	[signature]	10/11/13 23:15

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.