855.002

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October 3, 2023

Ms. Taylor Monnin
Assistant Engineer
Division of Environmental Remediation
Region 9
New York State Department of Environmental Conservation
700 Delaware Avenue
Buffalo, New York 14209

RE: Revised Remedial Investigation Report
Rite Aid, 350 Niagara Street
Site No. C915297

Dear Ms. Monnin;

Attached is the revised Remedial Investigation Report ("RIR") for the Rite Aid site located at 350 Niagara Street, Buffalo, New York ("Site"). Responses to the New York State Department of Environmental Conservation's ("NYSDEC's") comments on the August 2019 version of the report that were presented in the April 13, 2023 letter correspondence have been incorporated into the attached document.

Several of the NYSDEC's comments were not incorporated in the revised RIR. For clarity and completeness, responses and/or clarifications explaining why those comments were not incorporated are provided on **Attachment A** to this letter. These explanations are respectfully provided to confirm that all of the NYSDEC's comments were considered, and none were intentionally overlooked and not incorporated into the revised RIR. For ease of reference, the NYSDEC's comments are provided, along with Leader Professional Services, Inc.'s ("Leader's") responses.

If you have any questions regarding this letter, please call me at (585) 248-2413 or email me at bahrens@leaderlink.com.

Very truly yours,
LEADER PROFESSIONAL SERVICES, INC.

Bruce W. Ahrens
Senior Project Manager

Michael P. Rurmill
Principal

ATTACHMENT A

NYSDEC Comment 3b: In Section 2.3 Site History: In the eighth paragraph, chlorinated solvents are mentioned. Please clarify what analytes detected onsite consist of chlorinated solvents.

Response to Comment 3b: *Section 2.3, Historical Site Use, presents a general description of historical Site and surrounding property uses, and summarizes previous investigation results. The statements included in the 8th paragraph refer to potential contributors to the general class of chlorinated compounds identified in groundwater at the Site, and is not the appropriate location for a discussion of individual chlorinated compounds. Detailed discussions of chlorinated compounds that were identified in groundwater at the Site are more appropriately located in Sections 4.2, and presented in Table 9 and Table 11. Note that the statements in the 8th paragraph of Section 2.3 regarding the presence of chlorinated compounds were taken directly from previous summary sections of NYSDEC-approved reports when discussing Previous Environmental Investigations. However, the following were added as the last sentence in the 8th paragraph:*

> *"For a more detailed discussion of petroleum and chlorinated compounds detected at the Site refer to Section 4.1 (Subsurface Soil) and Section 4.2 (Groundwater)."*

NYSDEC Comment 6: In Section 3.3 Task 3: Surface Soil Investigation and Section 3.4 Task 4: Subsurface Soil Collection, were emerging contaminants (PFAS and 1,4- dioxane) tested for? Is there a reason why VOCs were not tested for in the surface soil?

Response to Comment 6: *Consistent with the NYSDEC-approved August 2016 work plan, and as shown in Table 8 and Table 9, surface soil and subsurface soil samples that were collected in March 2017 for laboratory analyses were not analyzed for PFAS and 1,4-dioxane.*

As indicated in Section 2.2 of the Remedial Investigation Work Plan (RIWP), the areas identified for collection of surface soil samples were within the parcel fronting 7th Street that was formerly residential buildings (referred to as the Vacant Parcel). The residential buildings were demolished, and the area re-graded in the late 1990s. VOC analysis is not appropriate for soil collected from 0 to 2-inches bgs that has been re-worked/aerified. During review of the 2016 RIWP, the NYSDEC and NYSDOH agreed with this approach. Surface soils were analyzed consistent with the NYSDEC-approved RIWP.

NYSDEC Comment 7: In Section 3.5 Task 5: Groundwater Investigation, were all wells onsite analyzed for emerging contaminants (1,4-dioxane and PFAS)?

Response to Comment 7: *In Section 3.5, the 5th sentence states that "monitoring wells MW-5 and MW-7 were also analyzed for PFAS emerging contaminants and 1,4-dioxane". Also, as shown in Table 13, groundwater from MW-5 and MW-7 were the only locations that were analyzed for PFAS and 1,4-dioxane.*

NYSDEC Comment 9: In Section 4 Results: Field observations for all samples should also be discussed.

Response to Comment 9: *Available field notes were reviewed; however, no pertinent observations were identified that would add value to the report.*

NYSDEC Comment 11: In Section 4.1.2 Subsurface Sample Results, please state that Table 9 is attached to the rear of the report.

Response to Comment 11: *The Table of Contents has been revised to identify which tables are located in the text and which are located in the Tables Appendix. All the tables will be located in the Tables Appendix located at the end of the text except where specifically noted in the Table of Contents.*

NYSDEC Comment 16a: In Section 4.2.2 Emerging Contaminants: Were emerging contaminants analyzed for soil?

Response to Comment 16a: *Consistent with the NYSDEC-approved RI Work Plan (Leader, 2016), soil samples were not analyzed for emerging contaminants.*

NYSDEC Comment 17e: In Section 4.3 Indoor Air and Sub-Slab Sample Results: In Table 15, please insert a column with the NYSDOH Soil Vapor Intrusion Guidance values for each applicable analyte.

Response to Comment 17e: *Table 15 presents sub-slab soil vapor data. As presented in the NYSDOH SVI Guidance Document, New York State currently does not have any standards, criteria or guidance values for concentrations of compounds in soil vapor. The guidance values presented in the document, specifically the May 2017 amendment, are based on a matrix approach with recommended decisions based on reported concentrations for both indoor air and sub-slab soil vapor concentrations. While Leader believes it is not appropriate to add the requested column with guidance values, to accommodate the Department's request, the following edits were made to Table 15:*

- *A column titled "NYSDOH Guidance Value*" was added (with asterisk)*
- *The value for TCE is "> 1.0 ug/m^3" and the value for PCE is "> 10 ug/m^3"*
- *A footnote to the table was added stating "The value represents a guidance value only; the NYSDOH recommended actions are to identify the source, re-sample, or mitigate."*

NYSDEC Comment 24: In the third paragraph of Section 6.2.1 Surface Soil: Please remove "The concentrations found are, however, consistent with the concentrations of iron expected in the Buffalo region of the United States as indicted by the USGS in its report entitled "Geochemical and Mineralogical Maps for Soils of the Conterminous United States." This report indicates that in the Buffalo region the iron concentration in surface soil (0-5 centimeters) can range from 2.18 to 2.48 weight percent or 21,800 to 23,800 mg/Kg."

Response to Comment 24: *No explanation is provided by the NYSDEC for the request to remove the USGS reference and associated background iron concentrations in the Buffalo region. As stated in the referenced document, "These data provide the best estimates for background levels of elements on regional and national scales." Please provide an explanation supporting the NYSDEC's request, or provide an alternative reference that contradicts the USGS document.*

NYSDEC Comment 32a: Figures: Please show the BCP Site Boundary and parcel lines on all figures. Please show all street names on all figures.

Response to Comment 32a: *BCP Site Boundary, parcel lines, and street names were included on appropriate figures. Based on the density of information/data included on several figures combined with the scale of a figure, it was not practical/feasible to include all the requested information on each figure.*

NYSDEC Comment 32b: Figures: Please indicate on all figures which parcel is commercial and which parcel is residential

Response to Comment 32b: *Section 2.1 provides descriptions of which parcel is zoned commercial (Rite Aid parcel) and which parcel is zoned for both commercial and residential (Vacant parcel). Based on the density of data/information included on a figure combined with the scale of a figure, not all figures have the requested labels included.*

NYSDEC Comment 32c: Please indicate in the figures where the previous underground and above ground storage tanks and solvent parts washer were located as described in Spill No. 9502447.

Response to Comment 32c: *The NYSDEC-reference Spill Report No. 9502447 only refers to the site name as "Niagara and Virginia" and the address and location as "Adjacent Property". The report indicates that several underground storage tank (UST) removals were conducted and that no visual impacts were observed. Laboratory data indicated that VOCs were below regulatory guidelines. The report does not provide any specific information regarding the location of the USTs. The GPR survey conducted at the Rite Aid Parcel identified four locations with anomalies that may have been former tank closure excavations. If the NYSDEC has information specifically where the previous USTs, aboveground Storage tanks, or solvent parts washer were located, please provide so those locations can be added to an appropriate figure.*

NYSDEC Comment 32g: Figures: On Figure 4 the monitoring wells end on MW-5. Were the additional monitoring wells installed at this time?

Response to Comment 32g: *Figure 4 shows the locations of the investigation work completed in 2014 that was presented in the Site Investigation Report (December 17, 2014). Additional monitoring wells did not exist at that time.*

NYSDEC Comment 32m: On Figure 12: Please insert the NYSDOH standard/guidance value for each applicable analyte to compare to results on the figure.

Response to Comment 32m: *Figure 12 presents soil vapor data from 6 locations (SV-1 to SV-6) and sub-slab vapor data from 2 locations (SS-1 and SS-2). As stated in the NYSDOH SVI Guidance Document, Section 3.2.5(a): "The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in subsurface vapors (either soil vapor or sub-slab vapor)." Therefore, the NYSDEC's request to add standards/guidance values is not appropriate.*

Remedial Investigation Report

Rite Aid
350 Niagara Street
New York State
Department of Environmental Conservation
Brownfield Cleanup Program
Site No. C915297

Prepared for:

Rite Aid of New York, Inc.
30 Hunter Lane
Camp Hill, Pennsylvania 17011

Prepared by:

Leader Professional Services, Inc.
271 Marsh Road, Suite 2
Pittsford, New York 14534

October 3, 2023

855.002

Certification

I, Michael P. Rumrill, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation ("DER-10").



Michael P. Rumrill, Q.E.P.

TABLE OF CONTENTS

1.0 INTRODUCTION 2

2.0 BACKGROUND 2

2.1 Site Location 2

2.2 Site Description 2

2.3 Historical Site Use 3

2.4 Previous Environmental Investigations 5

2.4.1 1995 Buffalo Drilling Report 5

2.4.2 1997 Barron & Associates Phase I ESA 6

2.4.3 2013 Property Solutions Phase I ESA 6

2.4.4 2014 Limited Phase II Subsurface Investigation 7

2.4.5 2014 VOC Vapor Investigation 7

2.4.6 2014 Site Investigation Report 8

2.4.7 Data Usability Summary Report 8

3.0 RI SCOPE OF WORK 12

3.1 Task 1 Information Requests 12

3.2 Task 2: Property and Land Survey 12

3.3 Task 3: Surface Soil Investigation 12

3.4 Task 4: Subsurface Soil Collection 13

3.5 Task 5: Groundwater Investigation 13

3.6 Task 6: Indoor and Sub-Slab Air Sampling 14

3.7 Task 7: Management of Investigation Derived Waste 14

4.0 RI RESULTS 14

4.1 Soil Sample Results 14

4.1.1 Surface Soil Sample Results 14

4.1.2 Subsurface Sample Results 16

4.2 Groundwater Sample Results 18

4.2.1 VOCs 18

4.2.2 SVOCs 19

4.2.3 Metals 19

4.2.4 Emerging Contaminants 20

4.3 Indoor Air and Sub-Slab Sample Results 20
4.4 Data Usability 22
5.0 FATE ABD TRANSPORT 23
5.1 Surface Soil 23
5.2 Sub-surface Soil 24
5.3 Groundwater 24
5.4 Sub-slab and Indoor Air Samples 27
6.0 CONCEPTUAL SITE MODEL 27
6.1 Geology and Hydrogeology 27
6.1.1 Geology 27
6.1.2 Hydrogeology 28
6.2 Impacted Media 28
6.2.1 Surface Soil 28
6.2.2 Subsurface Soil 29
6.2.3 Groundwater 31
6.2.4 Vapor 34
7.0 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT 37
7.1 Rite Aid Parcel 38
7.2 Vacant Parcel 38
7.3 Off-Site 39
8.0 CONCLUSIONS 39
8.1 Soil 40
8.2 Groundwater 40
8.3 Sub-slab Vapor 41

FIGURES

Figure 1 Site Location Map
Figure 2 AEI Limited Phase II Sample Locations
Figure 3 2014 Sub-slab and Indoor Air Sampling Locations
Figure 4 Leader Site Investigation Sampling Locations
Figure 5 R1 Surface Soil Sampling Locations
Figure 6 R1 Subsurface Sampling Locations
Figure 7 R1 Monitoring Well Locations
Figure 8 R1 Sub-slab and Indoor Air Sampling Locations
Figure 9 Direction of Groundwater Flow – April 2017
Figure 10 Soil Impacts
Figure 11 Groundwater Impacts from Selected Volatile Organic Compounds
Figure 12 Soil Vapor and Sub-Slab Results
Figure 13 Indoor Air Sampling Results

TABLES LOCATED IN APPENDIX

Table 1 AEI Phase II Site Investigation Soil Sample Results
Table 2 AEI Phase II Site Investigation Groundwater Sample Results
Table 3 Leader Phase II Soil Sample Results
Table 4 Leader Phase II Soil Vapor Sample Results
Table 5 Leader Phase II Groundwater Results
Table 6 Remedial Investigation Sample Summary
Table 7 Remedial Investigation - Surface Soil Results
Table 9 Remedial Investigation - Subsurface Soil Results
Table 11 Limited Phase II and Remedial Investigation Groundwater Results
Table 12 Frequency of Detections Exceeding TOGS 1.1.1 in Groundwater During Remedial Investigation
Table 13 Remedial Investigation - Emerging Contaminants in Groundwater
Table 14 Sub-slab and Indoor Air Sample Results
Table 16 Soil Samples Exceeding Groundwater Protection SCOs
Table 17 Comparison of 2014 and 2017 Indoor Air and Sub-slab Sample Results
Table 18 Potential Human Health Exposure Assessment

TABLES LOCATED IN TEXT

Table 8 Frequency of Iron and Lead Detections Exceeding RSCOs in Surface Soil
Table 10 Frequency of Detections Exceeding RSCOs in Subsurface Soil from the Vacant Parcel
Table 15 Frequency of Detection of TCE and PCE in Sub-Slab Soil Vapor Samples

APPENDICES

Appendix 1 Previously Completed Reports
Appendix 2 Laboratory Reports
Appendix 3 Data Usability Summary Report
Appendix 4 Investigation Logs

ACRONYMS AND ABBREVIATIONS

AAI – All Appropriate Inquiries
ACM – Asbestos-Containing Material
AST – Aboveground Storage Tank
ASTM – American Society for Testing Materials International
BER – Business Environmental Risk
bgs – Below Ground Surface
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
CESQG – Conditionally Exempt Small Quantity Generator
CFR – Code of Federal Regulations
CP-51 – (NYSDEC) Commissioner‟s Policy #51 (Soil Cleanup Guidance)
CREC – Controlled Recognized Environmental Condition
DEC – Department of Environmental Conservation
EDR – Environmental Data Resources (Company)
ESA – Environmental Site Assessment
FOIA/FOIL – Freedom of Information Act/Law
GIS – Geographic Information Systems
GWS – Groundwater Standard
HREC – Historical Recognized Environmental Condition
LBP – Lead-Based Paint
LQG – Large Quantity Generator
N/A – Not Applicable
NRCS – Natural Resource Conservation Service
NYSDEC – New York State Department of Environmental Conservation
PAH – Polycyclic Aromatic Hydrocarbons
PCB – Poly-Chlorinated Biphenyls
pCi/L – Picocuries per Liter
ppb – Parts Per Billion
ppm – Parts Per Million
RCRA – Resource Conservation and Recovery Act
REC – Recognized Environmental Condition
RSCO – Restricted Soil Cleanup Objective
SCO – Soil Cleanup Objective
SQG – Small Quantity Generator
SVOC – Semi-Volatile Organic Compound
TOGS – Technical & Operational Guidance Series 1.1.1 (NYSDEC)
USDA – United States Department of Agriculture
USEPA – United States Environmental Protection Agency
USGS – United States Geological Survey
UST – Underground Storage Tank
VOC – Volatile Organic Compound

1.0 INTRODUCTION

The remedial investigation project is being completed in partial fulfillment of the Brownfield Site Cleanup Agreement (Index No. C915297-10-15) between Rite Aid of New York, Inc. ("Rite Aid") and the New York State Department of Environmental Conservation ("NYSDEC"). This Remedial Investigation Report (RI Report) has been prepared for the property located at 350 Niagara Street in Buffalo, Erie County, New York (the "Site"). The Site occupies two tax map parcels identified as 110.36-1-5.11 and 110.36-1-5.12.

Leader Professional Services, Inc. ("Leader") prepared this RI Report to document the Site conditions, to characterize the potential threats to the human health and the environment, if existing, and to assist with the development of remediation strategies.

2.0 BACKGROUND

2.1 Site Location

The Site is located at 350 Niagara Street in the City of Buffalo at the corner of Virginia Street and Niagara Street (**Figure 1**). The Site covers approximately 1.84 acres and consists of two separate tax identification parcels. Parcel 110.36-1-5.11, which fronts 350 Niagara Street, is zoned for commercial purposes, and contains the existing Rite Aid store and associated parking lot ("Rite Aid Parcel"). Parcel 110.36-1-5.12, which fronts 275 7th Street, is currently vacant and zoned for both residential and commercial purposes ("Vacant Parcel").

The Site is located in an area of the City of Buffalo consisting primarily of commercial and retail locations. It is located on the fringe of a residential area to the west. A public park is located approximately 1,740 feet southwest of the Site, and the Lake Erie waterfront is located approximately 2,480 feet southwest of the Site.

2.2 Site Description

The Rite Aid Parcel fronts Niagara Street and is developed with an 11,000-square foot Rite Aid retail store and parking lot. There is little open green space with the exception of a small patch of grass between the two Site parcels and the neighboring parcel to the north. The Vacant Parcel fronting 7th Street is undeveloped and covered with grass, with shrubs and trees along the eastern border. Until the late 1990's the Vacant Parcel was developed for residential purposes. Today, along with surface vegetation and a partial perimeter of trees and bushes, the Vacant Parcel has a ground surface consisting of soil, and pieces of concrete and brick, possibly from the demolition of former buildings. The Rite Aid Parcel will continue to be used for retail/commercial purposes. The Vacant Parcel is zoned for multi-family residential and commercial use. There are no plans at this time to develop this parcel.

No surface water or wetland areas are located on or adjacent to the Site. Groundwater is not used as a drinking water source within Buffalo and is not believed to be used for commercial purposes in the vicinity of the Site.

2.3 Historical Site Use

The historical land use records for the Site indicate it was used for commercial and retail purposes since the late 1800's. The Rite Aid retail store was constructed on the Site in 1995. The Vacant Parcel was used for residential purposes since the late 1800's until 1995 when the buildings were razed. This portion of the Site remains undeveloped and is zoned for both multi-family residential and commercial use.

A Phase I Environmental Site Assessment ("ESA") conducted by Property Solutions, Inc. for Bank of America, dated December 5, 2013 (2013 Property Solutions Phase I ESA), identified the past uses of the Site and the adjacent properties from records obtained from the City of Buffalo, historical aerial photographs, and historical Sanborn Fire Insurance maps. The 2013 Property Solutions Phase I ESA included aerial photographs from 1938 to 2011 and historical Sanborn Fire Insurance Maps covering the years of 1889, 1899, 1925, 1951, 1981 and 1986.

City records and Sanborn maps show the Site's use over the past 126 years. These uses have included the following business types: carpet cleaning, paint shop, vehicle repair garages, taxi cab garage, gasoline stations, welding shop, electroplating shop, candy shop, sporting goods shop, and mirror shop. The historical aerial photographs and Sanborn maps are important because they show where prior buildings were located on the Site. These resources show that from 1889 to 1925, the portion of the Site from the Virginia Street intersection to 358 Niagara Street was used for commercial purposes, including a carpet cleaning business, welding shop, mirror shop and automobile repair shop. The portion of the Site from 358 to 360 Niagara Street was used for residential purposes during that time period. During this same time period, the Site area fronting Seventh Street was used for residential purposes.

From 1925 to 1981, the Rite Aid Parcel was used for commercial purposes that included a gasoline station, carpet cleaning shop, sporting goods shop, used car lot, auto repair shop and a taxicab business. By 1951, buildings 356 and 360 Niagara Street had been removed and an automobile garage constructed in their place, along the property line which existed on the west side of the property. During that time, much of the northern half of the Site's Niagara Street area was a parking lot with buildings along the property line. In the center of the Site, where the carpet cleaning business was located, a building was present at this location from 1889 to at least 1995. Seventh Street remained a residential area from 1889 to approximately 1995 when the buildings on the Vacant Parcel were removed.

The parcels immediately adjacent to the Site on Virginia Street, as well as the parcels north and east of the Site on Niagara Street, had been used over the years for a variety of purposes. The property north of the Site, along Niagara Street, had a commercial/industrial use starting in 1889 when Sanborn maps show the National Nail Paper Company operating a coating shop and print shop. Between 1951 and 1981, the National Nail Paper Company facility was removed and replaced with other commercial buildings. Today the land houses a Goodyear Auto Service Center shop and a McDonald's restaurant.

On the east side of Niagara Street, the property use had included commercial and retail businesses along with residential apartment buildings. Such businesses included Jason Barile Clothes Cleaners/Jay Bee Cleaners at 341 Niagara Street (circa 1946); Dels Mainline Collision and Dollar Auto Laundries at 365 Niagara Street (circa 1930-2002); and Montano Auto Repair at 369 Niagara Street (circa 1930 – 1940). Currently, 369 Niagara Street is used by Sammy's Collision Shop. South of the Site along Virginia Street, the Buffalo Register Works operated a foundry at 146-148 Virginia Street in 1889. Ten years later the building remained as a foundry under a different name. That business relocated and Buffalo Auto Springs occupied the building in approximately 1925. In 1951, it appears the property was used as a seasonal fruit preservation operation and, in 1981, the building was used as a night club. Most recently, this building was renovated and is being used as a self-storage facility.

Two offsite businesses with a regulatory history have RCRA information regarding the generation or disposal of hazardous wastes. Goodyear has a closed spill file.

- Goodyear Auto Service, 370 – 380 Niagara Street, adjacent to and north of the Site, is listed on the leaking tank list (spills) with a record for a 1997 overfill incident. Goodyear conducted a Phase II Environmental Site Investigation after the underground storage tank was removed and the tank pit backfilled. Soil sampling indicated petroleum residuals were present above NYSDEC's Spill Technology and Remediation Series ("STARS") Memo #1, soil cleanup values. The spill incident was closed January 30, 2001.

- Sammy's Collision, 369 Niagara Street, located north of the Site and on the east side of Niagara Street, has RCRA records (last updated in 2008) as a Conditionally Exempt Small Quantity Generator of ignitable waste, F003 spent non-halogenated solvent wastes, F005 spent non-halogenated solvents 10-percent or more by volume of non-halogenated solvents, or solvents listed under F001, F002 or F004 waste codes and still bottoms from spent solvent mixtures.

- Allen P. Spaulding, Jr., 146 -148 Virginia Street, located adjacent to, and south of the Site is identified as a RCRA shipper of U-listed Methanol, ignitable waste, Cyanide waste, corrosive waste, and Formaldehyde product.

The Goodyear Auto Service Center, Sammy's Collision, and the National Nail Paper Company are all hydraulically upgradient of the Site and may be contributing to petroleum impacts or chlorinated solvents detected in the Site's groundwater. Other potential contributors to groundwater contamination are not in locations that are strongly related to an hydraulically upgradient location relative to the Site, but nonetheless by virtue of the suspected business activity could be contributors to the chlorinated solvents found in the groundwater. These businesses include: the former Jason Barile Clothes Cleaners/Jay Bee Cleaners at 341 Niagara Street; and the former Dels Mainline Collision and Dollar Auto Laundries at 365 Niagara Street. For a more detailed discussion of petroleum and chlorinated compounds detected at the site refer to Section 4.1 (Subsurface Soil) and Section 4.2 (Groundwater).

2.4 Previous Environmental Investigations

Previous assessment or investigations completed on the Site include the following:

- Subsurface Explorations, Geotechnical Engineering and Phase I Environmental Site Assessment, February 7, 1995, Buffalo Drilling Company for Ellicott Development Company (1995 Buffalo Drilling Report).
- Phase I Environmental Site Assessment, 350 Niagara Street, Buffalo, New York, January 13, 1997, Barron & Associates, P.C. (1997 Barron & Associates Phase I ESA)
- Phase I Environmental Site Assessment, December 5, 2013, Property Solutions, Inc. for Bank of America, NA (2013 Property Solutions Phase I ESA)
- Limited Phase II Subsurface Investigation, January 3, 2014, AEI Consultants for Bluejay Management, LLC. (2014 Limited Phase II Subsurface Investigation)
- VOC Vapor Investigation, May 6, 2014, Leader Professional Services, Inc. for Rite Aid Corporation (2014 VOC Vapor Investigation)
- Site Investigation Report, December 2014, Leader Professional Services, Inc., for Rite Aid Corporation (2014 Site Investigation Report).

Copies of these reports are provided in **Appendix 1**.

2.4.1 1995 Buffalo Drilling Report

Buffalo Drilling Company ("Buffalo Drilling") completed a geotechnical analysis of the Site, provided recommendations for foundation design, and recommended a Phase I ESA. The test borings completed for the geotechnical analysis indicated that the subsurface conditions consisted of a layer of fill materials including soil, cinder, brick, and rubble. Natural, undisturbed materials consisted of silt and clay, with silt and sand saturated with groundwater. At the time of the Phase I ESA, the residential and commercial buildings were still present on the Site. The commercial buildings included Spiro's garage (340 Niagara Street), which Buffalo Drilling identified as having 5-gallon and 55-gallon containers outside of its building, an aboveground storage tank, and potentially having hydraulic lifts. Floor and surface stains were noted around the identified containers as well as the use of a solvent washer. Based on Buffalo Drilling's review of city records, it was also suspected that underground storage tanks ("USTs") had been used at the Site.

2.4.2 1997 Barron & Associates Phase I ESA

The 1997 Phase I ESA completed by Barron & Associates, P.C. ("Barron") for Rite Aid Corporation met the ASTM Standard Practice E 1527 (1994) for the property located at 350 Niagara Street. In the report, Barron found no environmental concerns; however, the property was identified as being located near a site of archaeological importance. Barron indicated that a detailed investigation (archaeological investigation) is not needed because of continued improvements to the assessed property.

The 1997 Phase I ESA detailed how the City of Buffalo's records identified the management of USTs on the property, but there are possible discrepancies with the number of tanks installed and the number of tanks removed. The 1997 Phase I ESA indicated a spill was reported for the Site (#9502447) during the removal of the tanks by the developer, but that the spill was remediated. In addition to the USTs, a 275-gallon aboveground tank along with a solvent reclamation station was removed by the owner of Spiro's Garage (340 Niagara Street). Barron also identified two reports prepared by Complete Enviro Services, Inc. titled "Tank Closure Report, Niagara at Virginia Streets, Buffalo, New York Spill 9502447, June 1995", and "Tank Closure Confirmation, 340 Niagara Street, (former Spiro's Service Station), Buffalo, New York".

2.4.3 2013 Property Solutions Phase I ESA

The 2013 Phase I ESA completed by Property Solutions, Inc. ("PSI") was prepared to the ASTM Standard Practice E 1527-05 and identified the following recognized environmental conditions ("RECs"):

- A portion of the Site was identified in a database of US Historic Cleaners. PSI identified this as the Compressed Air Carpet & Cleaning Company that occupied the Site from 1925 to 1964.
- Based on a review of records from the City of Buffalo, USTs were suspected of having been present beneath the Site.
- PSI could not confirm the integrity of any of the removed USTs, or whether the soil or groundwater was impacted.
- Historic city directories identified an automobile repair shop at 362 Niagara Street from 1936 to 1956. From 1930 to at least 1961, the same address was used as a filling station and repair shop. City records could not confirm the installation or removal of any USTs.
- The Site is listed in a leaking UST database. In 1995, a 500-gallon waste oil tank and a 3,000-gallon fuel oil tank were scheduled for removal. However, PSI notes that during the removal, no visual contamination was observed, but soil testing indicated the presence of a semivolatile organic compound ("SVOC") that exceeded regulatory standards.

  PSI also noted that a database search identified a PCB oil release. The release incident file was closed on September 12, 1995.

The 2013 Phase I ESA report stated that records indicated that 19 USTs were historically identified at the Site, with installation dates ranging between 1947 and 1963. The capacities of the tanks ranged from 550 gallons to 8,000 gallons and were primarily used for the storage of gasoline (fuel oil was stored in 3 of the USTs and used oil stored in 1 UST). The report indicated that closure documentation existed for 13 of the USTs; closure documentation was not identified for 5 gasoline storage USTs that were installed between 1930 and 1955.

In the report's conclusions, PSI recommended conducting a Phase II Environmental Site Investigation to determine if past Site use activities impacted the Site.

2.4.4 2014 Limited Phase II Subsurface Investigation

The 2014 Limited Phase II Subsurface Investigation completed by AEI Consultants ("AEI") was performed to evaluate the Site for the presence of USTs, collect soil and groundwater samples for environmental testing, and to determine if past operations impacted the Site. Ground penetrating radar (GPR) was used to evaluate the Site for the presence of USTs, and 9 soil borings (B-1 to B-9) were advanced to depths ranging from 8 to 14 feet below ground surface (bgs) using a portable direct-push drilling rig for collection of subsurface soil samples. Soil borings were installed from December 18 to 19, 2013. On those same dates, AEI collected groundwater samples from the borings using temporary PVC casing with 4-feet of screen inserted to the bottom of the borehole, and a micro bailer to collect the groundwater sample. Collected soil and groundwater samples were sent to the contract laboratory for chemical analysis. Soil boring logs that provide information on the dates the borings were advanced, and the conditions encountered, are included with the 2014 Limited Phase II report located in **Appendix 1**. Analyses were conducted for RCRA Metals, Target Compound List ("TCL") volatile organic compounds ("VOCs"), and total petroleum hydrocarbon tests for gasoline and diesel fuel range constituents. **Figure 2** provides the locations where AEI collected soil and groundwater samples. **Table 1** and **Table 2** provide the sample results.

The analyses identified the presence of both petroleum and chlorinated hydrocarbons in both the soil and groundwater. The GPR survey results determined that USTs were potentially present at the Site. Leader reviewed the results with GPRS of New York, LLC (the consulting firm hired by AEI) and GPRS reported to Leader that no USTs were found and that GPRS only detected former UST pits.

2.4.5 2014 VOC Vapor Investigation

Leader completed indoor air and sub-slab vapor sampling based on the results from AEI's 2014 Limited Phase II report, and the reported finding of chlorinated hydrocarbons in the soil and groundwater. Leader collected two indoor air and two sub-slab samples and had the samples analyzed using U.S. EPA Method TO-15. The results identified VOCs in both samples (sub-slab and indoor air), but none of VOCs in the indoor air were reported at concentrations that indicated a health risk to employees or customers to the store. Based on the New York State Department of Health ("NYSDOH") guidance policy at the time, continued monitoring was recommended. **Figure 3** provides the sample locations and the summarized sample data.

2.4.6 2014 Site Investigation Report

The Site investigation completed by Leader in 2014 was to verify and supplement the investigation work that was completed by AEI. Ten soil borings (SB-1 to SB-10) were advanced, and five monitoring wells (MW-1 to MW-5) were constructed during the Site Investigation completed in September 2014. The termination depths of the soil borings ranged from 6-feet bgs (SB-7) to 20-feet bgs (SB-1). Sixteen (16) soil samples were collected and sent for laboratory analyses. The five 2-inch diameter, PVC monitoring wells were installed to depths ranging from 23 to 24.75 feet bgs. Wells were constructed using 10-feet of 0.02-inch slotted well screens. Groundwater samples were collected from the five monitoring wells on September 16, 2014 and sent for laboratory analyses. Soil boring logs and monitoring wells construction details that provide information on the dates the borings were advanced, and the conditions encountered, are also included with the 2014 Site Investigation Report located in **Appendix 1**. Ten soil samples and five groundwater samples were sent for laboratory analysis for U.S. EPA's Target Compound List ("TCL") VOCs, polycyclic aromatic hydrocarbons ("PAHs"), and Target Analyte List ("TAL") metals, including mercury and hexavalent chromium. Soil samples were selected based on the presence of fill materials such as cinders, ash and stained soil; VOCs identified by a portable organic vapor analyzer using a photoionization detector ("PID"); or the soil having an odor. Six soil vapor samples (SV-1 to SV-6) were collected over a one-hour time period from soil gas probes placed in the soil. The soil vapor samples were analyzed by the contract laboratory using USEPA Method TO-15 for VOCs.

During the investigation of the Rite Aid property, constituents were found in the soil, soil vapor, and groundwater. Constituents found in the soil did not exceed NYSDEC's guidance CP-51 or Part 375 soil cleanup objectives for commercial property ("CSCOs"), with the exception of iron, which is a naturally occurring compound. Soil vapor constituents were also found and are consistent with soil and groundwater constituents. USEPA's Screening Level Johnson & Ettinger indoor air simulations were conducted using the soil gas data from sample SV-4. These simulations suggested that vapor intrusion is unlikely to be a problem. Groundwater contamination is present and consists of both petroleum related compounds and chlorinated compounds. The chlorinated compounds appear to be breaking down into daughter products. **Figure 4** provides the sampling locations. **Table 3**, **Table 4**, and **Table 5** summarize the sample data collected during the 2014 site investigation.

2.4.7 Data Usability Summary Report

A data usability analysis was performed on the sample data packages collected during the 2014 Limited Phase II Subsurface Investigation conducted by AEI and the 2014 Site Investigation conducted by Leader. The scope of work for the AEI Limited Phase II was not reviewed by NYSDEC; however, Leader submitted a work plan to NYSDEC Spills Unit for review, albeit the work plan was abbreviated compared to work plans submitted for BCP work. Also, neither investigation required their contract laboratory to submit the results following the Analytical Services Protocol ("ASP") Category B data package format or as an electronic data deliverable ("EDD"). As a result, quality assurance and quality control data was missing from the data packages, however, information on the

laboratory's own quality assurance and quality control samples were provided in the laboratory data packages.

2.4.7.1 Data Review

2014 Limited Phase II - AEI Consultants

AEI collected and submitted ten (10) soil samples and nine (9) groundwater samples for laboratory analysis for the following:

- 8 RCRA Metals by USEPA Method 6010C, for samples from borings B-1 to B-7;
- VOC by USEPA Method 8260C, for samples from borings B-1 to B-9;
- Total Petroleum Hydrocarbons ("TPH"), gasoline and diesel fuel ranges using USEPA Methods 8015B and 8015D, for samples from borings B-1 to B-7.

This review addressed the results for the analysis of soil and groundwater for VOCs and RCRA Metals. The TPH results have no comparable New York State 6 NYCRR Part 375 SCO or ambient groundwater standard within the NYSDEC's regulations or guidance documents; therefore, reviewing these results provided no additional information from a regulatory perspective and were not reviewed.

Review of Soil Sample Results from B-1, B-2, B-5, B-6, and B-7

The soil samples were analyzed using appropriate methods and within the holding time of the samples. During the analysis of the VOCs, several samples required dilution, elevating the reporting limit ("RL") for that analysis. The following samples required dilution: B-5 (4 to 8 feet) and B-6 (4 to 8 feet).

All of the analyses were impacted by the presence of Barium in a laboratory blank. Consequently, the Barium in the samples was rejected for use, but the data was still instructive from the perspective that concentrations are variable across the Site. Typically, laboratory blank contamination is represented as a low, consistent concentration across the samples.

Lead was identified in samples B-6 and B-7, but the analytical instrument exceeded low level quality control limits. However, since all of the samples contained Lead at a concentration greater than the low-level limit (10 micrograms per liter), the reported concentrations are valid.

Review of Soil Sample Results from B-3, B-4, B-8 and B-9

The soil samples were analyzed using appropriate methods and within the holding time of the samples. The method blank prepared by the laboratory was found to contain Methylene Chloride at a concentration less than the RL, but above the method detection limit. The laboratory did not re-extract or re-analyze the method blank sample. This impacts only the sample from B-3 (10 to 12 feet). Methylene Chloride was not identified in the sample from B-3. Consequently, there is no impact to the sample results.

The sample analyses for B-3 and B-4 were impacted by the presence of Barium in the laboratory blank and the sample. Consequently, the Barium in the samples is rejected for use.

Groundwater Samples

Review of Groundwater Sample Results from B-5, B-6 and B-7

The groundwater samples were analyzed using appropriate methods and within the holding time of the samples. The groundwater samples from B-5 and B-7 were found to not have been preserved to a pH of less than 2.0. Since the samples were collected and received by the laboratory on the same day, the loss of preservative did not impact the sample. The sample from B-5 was also diluted because of foaming, which may have also occurred when the sample was collected, buffering the acid concentration in the sample. Sample B-6 required dilution due to the nature of the sample matrix. The impact of dilution elevates the RL for that analysis.

During the analysis, problems also occurred with the evaluation of matrix spike samples and the co-elution of Ethyl Acetate and 2-Butanone with the samples run with batches 158483 and 158645. It appears all of the Site groundwater samples were run with this batch. As a result of these problems, the values for 2-Butanone were rejected for use in the groundwater samples from B-2, B-5, B-6, and B-7. Chloroethane in the laboratory control sample and laboratory control sample duplicate of batch 158483 was recovered outside of control limits. Ethyl Acetate and Chloroethane were not found in these samples.

The concentration of Lead was qualified because the low level standard recovery on the sample spike was outside the acceptable range, but since all samples contained Lead at a concentration greater than 10 micrograms per liter ("µg/L"), the sample results were considered valid.

Review of Groundwater Sample Results from B-1, B-2, B-3, B-4, B-8 and B-9

The groundwater samples were analyzed using appropriate methods and within the holding time of the samples. The groundwater samples from B-3, B-4, B-8, and B-9 were found not to have been preserved to a pH of less than 2.0. Because these samples were collected and received by the laboratory on the same day, the loss of preservative did not impact the samples.

The sample analyses for B-1, B-2 and B-4 were impacted by the presence of Barium in the laboratory blank. Consequently, the Barium concentration in the samples was rejected for use.

2014 Site Investigation - Leader

Review of Soil Samples Collected Between July 14 and July 15, 2014

The soil samples were analyzed using appropriate methods and within the holding time of the samples. The sample cooler was found to be 0.2 degrees above the acceptable limit of 6 degrees Celsius. Twelve (12) soil samples were collected and analyzed for VOCs, PAHs and Target Analyte List (TAL) metals. Continuing calibration verification ("CCV") criteria exceed the ±20 relative percent difference criteria for Acetone and

Dichlorodifluoromethane for samples analyzed on July 17, 2014 and for Acetone analyzed on July 18, 2014. These differences may cause a low bias to those sample results, however, the low CCV was within the laboratory's standard operating procedure criteria and the compounds were not qualified.

1,2,3-Trichlorobenzene was qualified because of the relative percent difference between the sample spike and the sample spike duplicate was exceeded. 1,2,3-Trichloroebenzene was not identified in any of the samples.

Review of Soil Samples from MW-1, MW-2, MW-3, MW-4 and MW-5
The soil samples were analyzed using appropriate methods and within the holding time of the samples. The soil sample analysis of VOCs had continuing calibration problems with the results being outside of the percent difference value of 20% for the following compounds: Chloroethene, Methyl-Ethyl-Ketone ("2-Butanone"), 4-Methyl-2-Butanone, and 2-Hexanone for samples collected on September 16th. Samples collected on September 17, 2014, the following compounds are also affected: Bromomethane, Cyclohexane, and 1,4-Dioxane. The concentrations associated with these VOCs should only be used as estimated concentrations. The impact of this quality assurance problem effects the samples from monitoring wells MW-1 to MW-5. The data loss is not significant, since only 2-Butanone was found and at concentrations substantially below the SCO.

The sample from location MW-1 was diluted because of the presence of non-targeted compounds.

The relative percent difference between the sample spike and the sample spike duplicate was out of range for Benzo(k)fluoranthene, consequently, the sample concentration may be biased higher than the true concentration. This issue does not appear to have an impact because Benzo(k)fluoranthene was not found in any of the soil samples from monitoring wells MW-1, MW-2, MW-3, MW-4 or MW-5.

Review of Groundwater Samples
No quality issues were identified.

2.4.7.2 Summary

The data obtained from the 2014 Limited Phase II and 2014 Site Investigation are usable for the known constituents on the Site, specifically petroleum related compounds and Perchloroethylene, Trichloroethylene and their daughter products. Of the compounds found with quality issues, only 2-Butanone in the soil and groundwater samples during the Limited Phase II investigation and in the soil samples collected during the 2014 Site Investigation are suspect. Barium in the soil and groundwater samples collected during the 2014 Limited Phase II are also suspect.

3.0 RI SCOPE OF WORK

The goals of the RI fieldwork were to further characterize the Site's impacts by sampling the surface soil, subsurface soil/fill materials, and to further define the extent of groundwater contamination. To achieve the goals of the RI Work Plan, two field efforts were completed by Leader to install monitoring wells and sample the groundwater. In March/April 2017 nine (9) monitoring wells were installed (MW-1 to MW-9) and six (6) surface soil samples were collected (Surface-1 to Surface-6).

The second field event was completed during April 2019 and included installation and sampling of three monitoring wells (MW-10, MW-11, and MW-12) and sampling of monitoring wells MW-1 and MW-5. Samples were sent for analysis of VOCs. The laboratory was also requested to report tentatively identified compounds. In addition, during this field event NYSDEC's emerging contaminant list compounds were analyzed for samples collected from monitoring wells MW-7 and MW-5. **Table 6** presents a summary of the number of samples analyzed during the RI. None of the samples collected included drainage pathways or surface water, because these pathways or media do not exist on or immediately off the Site.

There were no significant deviations from the RI Work Plan during the field sampling events.

3.1 Task 1 Information Requests

Leader requested information from the City of Buffalo regarding building permits for the Site, including the demolition of the former buildings located along the 7th Street portion of the Site and utility information beneath Niagara Street, Virginia and 7th Street. Leader also conducted a review of available Site development plans and conducted a geophysical survey to locate or confirm the location of utilities traversing the Site.

3.2 Task 2: Property and Land Survey

A property line and topographic survey of the Site and surrounding area was completed.

3.3 Task 3: Surface Soil Investigation

As described in the Remedial Investigation Work Plan (RIWP), the areas identified for collection of surface soil samples were located within the Vacant Parcel, where residential buildings formerly existed. The residential buildings were demolished, and the area re-graded in the late 1990s. Six surface soil samples (Surface-1 to Surface-6) were collected in March 2017 from open surface areas on the Vacant Parcel. Samples were collected from the interval from approximately 0 to 2-inches below the surface and analyzed for the following compounds:

- Targe Compound List (TCL) SVOCs
- TAL metals including cyanide
- pesticides and herbicides
- Polychlorinated biphenyls (PCBs)

Surface soil were analyzed consistent with the NYSDEC-approved RIWP. During review of the RIWP, the NYSDEC and NYSDOH agreed that VOC analysis was not appropriate for soil collected from 0 to 2-inches bgs that has been re-worked/aerified.

Sample results were compared to the Title 6 of New York State Codes, Rules and Regulations Part 375, SCOs for unrestricted use (USCO), restricted residential use for the protection of public health (RSCO), and restricted commercial use (CSCO).

3.4 Task 4: Subsurface Soil Collection

Subsurface soil samples were collected during test pits installation and during the advancement of soil borings, some of which were converted to monitoring wells. The samples collected and sent to the contract laboratory for analysis of:

- TCL VOCs
- SVOCs
- TAL metals including cyanide
- pesticides and herbicides
- PCBs

Subsurface soil were analyzed consistent with the NYSDEC-approved 2016 RIWP.

3.5 Task 5: Groundwater Investigation

The groundwater investigation included the installation of seven new monitoring wells screened within the shallow groundwater zone. The monitoring wells were located to augment the existing monitoring well network to better define the extent of contamination. The monitoring wells were installed during two field events conducted in March/April 2017 and in April 2019. The later event was completed to further define the extent of the contaminant plume(s) from the Site.

During the April 2017 groundwater sampling event, groundwater samples were analyzed for TCL VOCs, TCL SVOCs; TAL metals including cyanide; pesticides and herbicides; and PCBs.

During the April 2019 field event, groundwater from the new monitoring wells and monitoring wells MW-1 and MW-5 were collected and sent for analysis of TCL VOCs. Groundwater collected from MW-5 and MW-7 was also analyzed for the NYSDEC emerging contaminant list, that included: Perfluoroalkyl sulfontes, Perfluoroalkyl Carboxylates, Fluorinated Telomer Sulfonates, Perfluorooctane-sulfonates, Perfluorooctane-sulfonamides, and Perfluorooctane-sulfonamido-acetic acids. Collectively, these chemicals are referred to as “PFAS.” In addition, 1,4-dioxane was included in the list of parameters for laboratory analysis.

3.6 Task 6: Indoor and Sub-Slab Air Sampling

During the remedial investigation field activities conducted on March 27, 2017, two sub-slab vapor samples (SS-1 and SS-2) and two indoor air samples (IA-1 and IA2) were collected from inside the Rite Aid store, along with one outdoor ambient air sample (Outdoor) and sent for laboratory analysis. The sampling was done to confirm the previous sample results conducted by Leader in April of 2014.

3.7 Task 7: Management of Investigation Derived Waste

Waste generated during the investigation included drill cuttings, water waste (decontamination fluids and purged groundwater), and dry waste (paper, plastic and disposable safety equipment). Once characterized, the waste was disposed off-Site at a permitted landfill and treatment facility.

4.0 RI RESULTS

Laboratory data packages for all sample results are provided as **Appendix 2** in the electronic version of this report.

4.1 Soil Sample Results

Table 7, and **Table 9** provide summaries of the soil sample results showing only those compounds identified in at least one sample. The analytical results are compared to the 6 NYCRR Part 375 USCOs, RSCOs, and CSCOs, depending on which parcel the samples were collected.

4.1.1 Surface Soil Sample Results

Table 7 provides a summary of the surface soil sample results from Surface-1 to Surface-6. **Figure 5** shows the locations of samples. Sample Surface-1 was collected on the Rite Aid Parcel, whereas samples Surface-2 to Surface-6 were collected on the Vacant Parcel. Surface soil samples were collected from depths of 0 to 2-inches bgs.

Sample Surface-1 was collected from the Rite Aid Parcel and compared to the CSCOs and RSCOs. None of the organic compounds reported exceeded the CSCO or RSCO, although low levels of PAHs were identified in each sample. None of the PAHs exceeded the USCO. Lead was reported at a concentration of 300 mg/Kg in sample Surface-1; however, at a concentration below the CSCO (1,000 mg/Kg) and RSCO (400 mg/Kg).

Surface soil samples collected from the Vacant Parcel were compared to RSCOs. None of the surface soil samples had reported values of organochlorine insecticides above their respective RSCO. 4,4-DDE was reported at locations Surface-2 and Surface-6 at concentrations of 0.00529 mg/Kg and 0.00642 mg/Kg, respectively. The reported concentrations are below their RSCOs of 1.8 mg/Kg and 1.7 mg/Kg, respectively; however, above their USCOs of 0.0033 mg/Kg. Insecticide 4,4-DDT was also found at locations Surface-2, Surface-4, and Surface-6 at concentrations of 0.0212 mg/Kg, 0.00734 mg/Kg, and 0.00942 mg/Kg, respectively, that were also below the RSCO of 1.7 mg/Kg; however, above the URSCO of 0.0033 mg/Kg.

Lead was found in each sample collected from the Vacant Parcel at concentrations exceeding the USCO of 63.0 mg/Kg, ranging in concentration from 68.0 mg/Kg (Surface-5) to 800.0 mg/Kg (Surface-2). Only samples Surface-2 (800 mg/Kg) and Surface-4 (470 mg/Kg) exceeded the RSCO of 400 mg/Kg.

Mercury was also reported in each of the samples collected from the Vacant Parcel at concentrations ranging from 0.09 (Surface-5) to 0.65 mg/Kg (Surface-5). At sample Surface-5 Mercury was reported at a concentration of 0.09 mg/Kg which is below the NYS USCO of 0.18 mg/Kg. Mercury was reported at samples Surface-1 (0.39 mg/Kg), Surface-2 (0.35 mg/Kg), Surface-3 (0.23 mg/Kg), Surface-4 (0.65 mg/Kg), and Surface 6 (0.32 mg/Kg) at concentrations below the RSCO.

The concentrations of Zinc reported (ranging from 81.0 to 390.0 mg/Kg) were all below the RSCO of 2,200 mg/Kg. The reported values for Zinc exceeded the USCO (109 mg/Kg) at each location with the exception of sample Surface-5 (81 mg/Kg).

A summary of the frequencies of surface soil samples collected from both the Rite Aid Parcel and the Vacant Parcel exceeding the RSCOs for Lead and Iron are shown in the table below.

Table 8
Frequency of Iron and Lead Detections Exceeding RSCOs in Surface Soil

Compound	Location	RSCO (mg/Kg)	Frequency Exceeding RSCO (%)	Maximum Detection (mg/Kg)
Iron	Vacant Parcel	2,000	5 out of 5 (100%)	14,000
	Rite Aid Parcel		1 out of 1 (100%)	13,000
Lead	Vacant Parcel	400	2 out of 5 (40%)	800
	Rite Aid Parcel		0 out of 1 (0%)	300

Note: A CSCO for iron does not exist; the CSCO for lead is 1,000 mg/Kg

Iron was reported above the RSCO in each of the five samples collected from the Vacant Parcel and also in the sample collected from the Rite Aid Parcel. Lead was reported in two samples collected from the Vacant Parcel that exceeded its RSCO.

No SVOCs, PCBs, or pesticides were identified in any surface soil sample at a concentration exceeding their respective SCO.

4.1.2 Subsurface Sample Results

Table 9 presents a summary of subsurface soil sample results. Subsurface soil samples were collected from both test pits and soil borings. **Figure 6** shows the locations of the subsurface soil sample locations. Samples from TP-2 to TP-6 were collected from within the former footprint of the residential buildings located on the Vacant Parcel, while the soil borings were completed at locations that would provide important information between the test pit locations and the previously completed soil borings and monitoring wells. A soil boring, as a part of monitoring well installation, was also completed off-site on the northeast corner of the 7th Street and Virginia Street intersection. As discussed in Section 4.1.1, the sample results are compared to the applicable SCO.

4.1.2.1 Test Pit Soil Sample Results

Six test pits were excavated during the remedial investigation. Test pit TP-1 was located on the Rite Aid Parcel, while test pits TP-2 to TP-6 were located on the Vacant Parcel within the approximate footprint of the former residential building along Seventh Street. The locations of the test pits are provided on **Figure 6**. Five of the test pits (TP-1, TP-2, TP-4, TP-5, and TP-6) were excavated to 8-feet bgs; test pit TP-3 was excavated to 8.5-feet bgs. Test pit logs are included in **Appendix 4**. One soil sample was collected for laboratory analysis from each test pit from the interval exhibiting the highest PID reading. PID measurements ranged from 0.0 ppm to 3.2 ppm. The depth of each sample interval collected for laboratory analysis is included in **Table 9**. For discussion purposes, results from the soil sample collected from TP-1 were compared to CSCOs, and results from soil samples collected from TP-2 to TP-6 were compared to USCOs. Laboratory analytical results are presented in **Table 9**.

The results from the soil sample collected from TP-1 (8-feet bgs) indicated it did not contain any analyte above its respective CSCOs.

The results from the soil samples collected from TP-2 (6-feet bgs), TP-5 (8-feet bgs), and TP-6 indicated they did not contain any analytes above their respective USCOs.

Several soil samples collected from test pits TP-3 and TP-4 contained analytes that exceeded their respective USCOs:

- The soil sample collected from TP-3 (8-feet bgs) contained Acetone at 0.084 mg/Kg that exceeded the USCO of 0.05 mg/Kg.
- The soil sample from TP-4 (5-feet bgs) contained several PAH and metals analytes above their respective USCOs, including:
  - Benzo(a)anthracene reported value of 0.084 mg/Kg (USCO is 1.0 mg/Kg)
  - Benzo(a)pyrene- reported value of 7.3 mg/Kg (USCO is 1.0 mg/Kg)
  - Benzo(b)fluoranthene- reported value of 9.5 mg/Kg (USCO is 1.0 mg/Kg)
  - Benzo(k)fluoranthene- reported value of 2.6 mg/Kg (USCO is 0.8 mg/Kg)
  - Chrysene- reported value of 6.8 mg/Kg (USCO is 1.0 mg/Kg)
  - Dibenz(a,h)anthracene- reported value of 1.1 mg/Kg (USCO is 0.33 mg/Kg)

- Indeno(1,2,3-cd)pyrene- reported value of 3.5 mg/Kg (USCO is 0.5 mg/Kg)
- Lead- reported value of 460 mg/Kg (USCO is 63 mg/Kg)
- Mercury- reported value of 0.46 mg/Kg (USCO is 0.18 mg/Kg)
- Zinc- reported value of 220 mg/Kg (USCO is 109 mg/Kg

Note that when the TP-4 sample results are compared to RSCOs, all of the above analytes exceed their respective RSCO values except for mercury and zinc. It is unknown why the soil sample from TP-4 was the only sample to have PAH exceedances.

No VOCs, PCBs, or pesticides were identified in any of the test pit samples at concentrations exceeding their respective SCOs.

4.1.2.2 Soil Boring Soil Sample Results

Five soil borings were completed (SB-10 to SB-14). Two subsurface soil samples were collected from SB-10 and one soil sample collected from each of the four remaining soil borings (SB-11 through SB-14) for laboratory analysis. The interval selected for laboratory analysis from each soil boring is provided in **Table 9**. Samples were collected from intervals ranging from 4 to 6 feet bgs (SB-13) to 10 to 12 feet bgs (SB-10 and SB-12). The sample results were compared to the USCOs and the CSCOs as appropriate for their locations. None of the samples were found to have an exceedance to the USCOs for TCL VOCs, TCL SVOCs, pesticides, herbicides or PCBs.

Two of the soil borings, SB-10 and SB-14 were completed on the Vacant Parcel and offsite, respectively, and the results were compared to RSCOs, while the results from three soil borings located on the Rite Aid Parcel (SB-11, SB-12 and SB-13) were compared to CSCOs.

None of the three soil samples collected from the soil borings located on the Rite Aid Parcel (SB-11, SB-12, and SB-13) were reported to have any exceedances of CSCOs or RSCOs, except for Iron that exceeded the RSCO of 2,000 mg/Kg at each location. Iron was reported ranging from 8,100 mg/Kg (SB-11) to 17,000 mg/Kg (SB-12 and SB-13). A CSCO does not exist for iron.

None of the soil samples collected from soil borings SB-10 or SB-14 were found with any compounds exceeding the RSCOs with the exception of Iron. Iron was found to range in concentration from 11,000 mg/Kg in the 10 to 12-foot sample of soil boring SB-10 to 15,000 mg/Kg in the 6 to 8-foot sample of soil boring SB-10. The 4 to 6-foot sample from soil boring SB-14 found iron at a concentration of 12,000 mg/Kg. As previously stated, the RSCO for Iron is 2,000 mg/Kg. No VOCs, SVOCs, PCBs, or pesticides were reported in the soil boring samples collected from the Vacant Parcel (SB-10) or the off-site parcel (SB-14) at concentrations exceeding any of their SCOs (USCOs, RSCOs, or CSCOs).

4.1.2.3 Frequency of Detection

The frequency of detection for those constituents exceeding SCOs found in both test pit and soil boring samples are presented in **Table 10**, below. None of the soil samples collected on the Rite Aid Parcel were found to exceed the CSCO. Exceedances of the RSCO are shown in the table below for those samples collected on the Vacant Parcel.

Table 10
Frequency of Detections Exceeding RSCOs in Subsurface Soil from the Vacant Parcel

Compound	RSCO (mg/Kg)	Frequency (Percentage)	Maximum (mg/Kg)
Iron	2,000	8 out of 8 (100%)	20,000
Lead	400	1 out of 8 (12.5%)	460
Benzo(a)anthracene	1	1 out of 8 (12.5%)	6.5
Benzo(b)fluoranthene	1	1 out of 8 (12.5%)	7.2
Dibenzo(a,h)anthracene	0.33	1 out of 8 (12.5%)	1.1
Indeno(1,2,3-cd) pyrene	0.5	1 out of 8 (12.5%)	3.5
2-Methylnaphthalene	0.41	1 out of 8 (12.5%)	1.4

4.2 Groundwater Sample Results

Thirteen groundwater samples were collected (plus 3 QA/QC samples) and sent under chain of custody to the contract laboratory for analysis during two field sampling events. Eight monitoring wells (MW-1 through MW-8) were sampled during the April 2017 event and 5 monitoring wells (MW-1, MW-5, MW-10, MW-11, and MW-12) were sampled during the April 2019 sampling event. A summary of the groundwater sample results is presented in **Table 11**. The locations of the monitoring wells are presented on **Figure 7**. The results are compared to Technical Operational Guidance Series, 1.1.1 Ambient Water Quality Standards and Guidance Values ("TOGS 1.1.1").

4.2.1 VOCs

The sample from monitoring well MW-1 contained 1,1-dichloroethane at a concentration of 7.8 µg/L. The sample collected from monitoring well MW-2 contained benzene at a concentration of 1.4 µg/L, slightly exceeding the TOGS 1.1.1 standard for benzene of 1.0 µg/L.

In the groundwater samples collected from monitoring wells MW-3, MW-5, MW-11 and MW-12, the following chlorinated compounds were reported:

- Tetrachloroethene ("PCE") was reported at a concentration of 0.54 µg/L in monitoring well MW-12, 99 µg/L in sample MW-5 (2018), 260 µg/L in sample MW-3; and 620 µg/L in sample MW-11.

- Trichloroethene ("TCE") was reported at a concentration of 66 µg/L in sample MW-3; 110 µg/L in the sample MW-11; 320 µg/L in the sample MW-12 and 1,100 µg/L in sample MW-5 (2018).
- cis 1,2-dichloroethene was reported at a concentration of 33 µg/L in sample MW-3; 76 µg/L in sample MW-5 (2018), 100 µg/L in sample MW-12, and 320 µg/L in the sample from monitoring well MW-11.
- Trans 1,2-dichloroethene was reported at a concentration of 5 µg/L in sample MW-11; (2018), 8 µg/L in sample MW-5, and 78 µg/L in the sample from monitoring well MW-12;
- Vinyl chloride was reported in the sample from MW-3 at a concentration of 1.75J µg/L, in the sample from MW-5 (2018) at a concentration of 5.8J µg/L (below the reporting limit), and 13 µg/L the samples from MW-11 and MW-12.

The groundwater sample results from monitoring well MW-1 indicated no compounds were present at concentrations above the method detection limit ("MDL").

The sample collected from monitoring well MW-10 indicated similarly low concentrations. 1,2-Dichloroethane at a concentration of 0.95 micrograms per liter ("µg/L"); 1,2-DCA has a NYSDEC groundwater quality criteria of 0.6 µg/L.

The sample results show the PCE/TCE plume extends to a point between monitoring wells MW-11 and MW-9 (located off-site on the northeast corner of Virginia Street and Seventh Street. The presence of PCE/TCE or other chlorinated solvents were not found in the sample collected from MW-9.

The frequencies of detections for constituents exceeding TOGS 1.1.1 are presented in **Table 12**.

4.2.2 SVOCs

Benzo(b)fluoranthene was the only SVOC found above the TOGS 1.1.1 standard of 0.002 µg/L. The sample collected from monitoring well MW-2 contained Benzo(b)fluoranthene at a concentration of 0.04J µg/L (the J qualifier indicates the concentration is below the laboratory reporting limit but above the method detection limit).

4.2.3 Metals

Groundwater sample results share several compounds in common that were found at concentrations exceeding TOGs 1.1.1 standards, including iron, magnesium, manganese, and sodium. The samples collected from MW-3, MW-7, MW-8, and MW-9 did not exceed the TOGS 1.1.1 standards or guidance values for Iron and Manganese; the sample from MW-6 did not exceed the TOGS 1.1.1 value for Manganese; and the sample from MW-3 did not have an exceedance for Sodium. Antimony was found at a concentration of 6.2 µg/L in the sample from monitoring well MW-3 that exceeds the TOGS 1.1.1 level of 3.0 µg/L.

4.2.4 Emerging Contaminants

Per- and polyfluoroalkyl substances ("PFAS") and 1,4-Dioxane were analyzed from groundwater samples collected from monitoring wells MW-5 and MW-7 during the second RI field event conducted in April 2017. The laboratory results from the emerging contaminants sampling are presented in **Table 13**. The concentration of PFAS was found to be similar in both samples, with the exception of Perfluorobutanoic Acid ("PFBA") which was found in the sample from monitoring well MW-7 (upgradient sample) at a concentration of 0.0025 µg/L. In the sample from monitoring well MW-5 (down gradient), PFBA was found at a concentration of 0.000418 µg/L (below the laboratory RL but greater than the method detection limit. The individual PFAS compounds were all found below their reporting limits, but above the method detection limit in the sample from monitoring well MW-7. In the sample from monitoring well MW-5 all were reported below the method detection limit.

The NYSDEC's Part 375 standard for 1,4-Dioxane is 1 ug/L. 1,4-Dioxane was not reported above detection limits in groundwater collected from either upgradient monitoring well MW-7 or downgradient monitoring well MW-5. PFOA was reported in the groundwater sample collected from upgradient monitoring well MW-5 at a concentration of 0.00178 ug/L, which is below the Part 375 standard of 0.0067 ug/L. PFOA was not detected above the laboratory reporting limit in downgradient monitoring well MW-7. The Part 375 standard for PFOS is 0.0027 ug/L; PFOS was not detected above the laboratory reporting limit for either MW-5 or MW-7.

Consistent with the NYSDEC-approved RI Work Plan (Leader, 2016), soil samples were not analyzed for emerging contaminants.

4.3 Indoor Air and Sub-Slab Sample Results

Two indoor air samples (IA-1 and IA-2) and two sub-slab soil vapor samples (SS-1 and SS-2) were collected over an 8-hour period using SUMMA canisters in March 2017. Additionally, one upwind ambient air sample (Outdoor) was collected for analysis to document background conditions. The SUMMA canisters were sent under chain of custody to the contract laboratory for analysis of VOCs by EPA Method TO-15. Sample collection was conducted consistent with NYSDOH protocols, as provided in the NYSDOH's Guidance for Evaluating Soil Vapor Intrusion, with amendments. The sampling locations are shown on **Figure 8**. **Table 14** presents a summary of the indoor air, sub-slab, and ambient air sample results collected during the RI. Where applicable, the results are compared to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York State.

TCE was reported in the sub-slab samples at concentrations of 221 ug/m^3 (SS-1) and 14.5 ug/m^3 (SS-2), and in the indoor air at concentrations of 0.161 ug/m^3 (IA-1) and 0.156 ug/m^3 (IA-2). New York State currently does not have any standards, criteria or guidance values for concentrations of compounds in sub-slab soil vapor. However, the May 2017 amendment to the NYSDOH SVI Guidance Document included recommended actions for detected concentrations of TCE in sub-slab and indoor air. Indoor Air Matrix A, included in the May 2017 amendment recommends mitigation when sub-slab concentrations of TCE are 60 ug/m^3 or greater, regardless of the reported indoor air concentrations.

PCE was also reported in sub-slab samples at concentrations of 136 ug/m^3 (SS-1) and 80 ug/m^3 (SS-2), and in the indoor air at concentrations of 0.936 ug/m^3 (IA-1) and 0.997 ug/m^3 (IA-2). In the May 2017 amendment to the NYSDOH SVI Guidance Document, PCE was included in Indoor Air Matrix B. Indoor Air Matrix B indicated that for PCE concentrations in sub-slab vapor samples less than 100 ug/m^3 and indoor air reported concentrations less than 10 ug/m^3, no action is required. The amendment also indicated that for sub-slab PCE concentrations from 100 to 1,000 ug/m^3 and indoor air concentrations less than 3 ug/m^3, no action is required.

The frequency of detection (not including the ambient outdoor air sample) of TCE and PCE are shown in **Table 15** below. Note that, as presented in the NYSDOH SVI Guidance Document, New York State currently does not have any standards, criteria or guidance values for concentrations of compounds in soil vapor. The guidance values presented in the document, specifically the May 2017 amendment, are based on a matrix approach with recommended decisions based on reported concentrations for both indoor air and sub-slab soil vapor concentrations.

Table 15
Frequency of Detection of TCE and PCE in Sub-Slab Soil Vapor Samples

Compound	Frequency of Detection (percentage)	Maximum Concentration (µg/M^3)
TCE	4 out of 4 (100%)	221
PCE	4 out of 4 (100%)	136

Benzene and toluene were also identified in the samples. Benzene was found in one sub-slab sample (SS-2) at a concentration of 9.26 µg/M^3, but was not reported in any other samples. Toluene was found in all samples including the outdoor ambient air sample. Toluene was identified in the sub-slab at 8.4 µg/M^3 (SS-1) and 16.1 µg/M^3 (SS-2), and in the indoor air samples at nearly equivalent concentrations of 3.64 µg/M^3 (IA2) and 3.99 µg/M^3 (IA1). Toluene was identified in the outdoor ambient air sample at a concentration of 2 µg/M^3, which is very similar to the indoor air sample findings.

Carbon tetrachloride was also identified but only in the indoor air samples and the outdoor air sample. The concentrations found in these samples were similar: 0.56 µg/M^3 (IA1) and 0.566 µg/M^3 (IA2) in the indoor air samples and 0.409 µg/M^3 in the outdoor ambient air sample.

Other compounds found, which do not have a guidance value for comparison, include: n-hexane and heptane.

4.4 Data Usability

The laboratory data packages from the RI were reviewed by ME Holvey Consulting, LLC, a qualified third party. A Data Usability Summary Report ("DUSR") was prepared and included as **Appendix 3**.

A small number of samples analysis were noted or rejected because the samples or associated QA/QC samples did not meet laboratory practices. The following samples were rejected:

Samples from laboratory pack 1710105:

- 3,3-Dichlorobenzidine and 4-Chloroaniline results in samples TP-1 to TP-6 were rejected because the below detection level results may be due to the biased low results for the laboratory control sample ("LCS") and LCS duplicate ("LCSD"). Note that these compounds do not have soil cleanup objectives.

Samples from laboratory pack 1709552:

- With the exception of Mercury, the analysis of TAL metals (samples SB-10 through SB-14) required dilution because of matrix interference raising the detection levels.
- Thallium may have potentially high biased results in samples SB-10 to SB-14 because of high matric spike ("MS") and MS duplicate ("MSD") recoveries. Thallium also had an unacceptable post-digestion spike recovery. Thallium is rejected because analysis could not meet acceptable limits.
- MS and MSD sample recoveries for 1,2,3- and 1,2,4-Trichlorobenzene were lower than the accepted recovery criteria. The results possibly indicate a low bias to the sample result. 1,2,3- and 1,2,4-Trichlorobenzene are rejected for this sample package.
- Antimony and Copper were found in the method blank sample analysis. These should be qualified with a "B" qualifier. The concentrations for these metals were below the reporting limit of the laboratory.
- Sodium was found in the method blank and should be qualified as laboratory contaminant.

Samples from laboratory pack 1712051:

- Acetone, 3,3-Dichlorobenzidine, and 2,4-Dimethylphenol were rejected because the results for these compounds were below the reporting limit of the laboratory and the low biased LCSD may impact that value.
- Antimony was found in the method blank at a concentration lower than the reporting limit but should be identified in the laboratory package as a laboratory contaminant.

Samples from laboratory pack 170602:

- No action required.

Samples from laboratory pack 1709276:

- No action required.

Samples from laboratory pack 1711713:

- 3,3-Dichlorobenzidine and 4-chloroanline results are rejected because there is a bias which may lower the result's concentration.
- 1,2,3 and 1,2,4-Trichlorobenzene, the LCS and LCSD recoveries were lower than the acceptable range disqualifying those results in this laboratory package.
- Calcium was found in the MS/MSD sample at a concentration greater than four times the amount of the spike, but only the MSD recovery was found to be lower than the acceptable range criteria.

Sample from laboratory pack L 1916646:

- Laboratory quality control samples WG1231254-1 and -5, the continuing calibration standard associated with this laboratory package had a response for Perfluorohexanesulfonic Acid-Branched (br-PFHxS) was outside of the acceptance criteria. The response for Perflourohexanesulfnic Acid (PFHxS) was within acceptance criteria and no further action was needed.
- Laboratory quality control sample WG1231254-5, the continuing calibration standard associated with laboratory package L1916646 had a response for N-Ethyl Perfluorooctanesulfonamidoacetic Acid ("NEtFOSAA") outside the acceptable criteria. This value represents less than 10-percent of all compounds; therefore, the calibration was accepted.

5.0 FATE AND TRANSPORT

The fate and transport of the constituents of concern ("COC") involve the physical and chemical attributes of the media where they are found, and the media in which they will be migrating through, as well as the physical and chemical attributes of the COCs. In general, the media involved includes saturated and unsaturated soil (including miscellaneous fill materials), soil vapor, and groundwater. The COCs include VOCs, SVOCs, and metals. The following sections discuss the COCs for surface soil, subsurface soil, groundwater, and sub-slab and indoor air samples in more detail.

5.1 Surface Soil

Iron was found in 6 of the 6 samples at a concentration exceeding the RSCO. Iron is one of the more common elements found in natural soil and rock. The ability of Iron to migrate through the soil is dependent upon the oxidation state of the iron (Ferrous iron being more soluble than Ferric iron), pH of the soil, water present in the soil pore spaces, as well as other compounds that may be present in the soil that might enhance the solubility of Iron. In general; however, the ability of Iron to migrate through the soil is low because of the high pH found in the lime-rich soil associated with glacial terrains.

Lead was found in 2 out of 8 samples at concentrations exceeding the RSCO and like iron, is not extremely soluble in soil. The solubility of lead can vary depending on its ability to combine with other ions, such as nitrates, sulfates, chlorides and carbonates of sodium. Since lead is rather rare in glacial sediments and limestone, much of the lead found on the site is suspected to be anthropogenic, being derived from leaded-gasoline, lead-based paint and possibly urban fill. The ability of Iron to migrate through the soil is dependent on the oxidation state of the iron (Ferrous iron being more soluble than Ferric Iron), pH of the soil and the pore water present as well as other compounds found in the soil, which might enhance the solubility of Iron. As a result of these mixtures there is an opportunity for lead to migrate at least a short distance in the soil.

Because lead and iron are relatively immobile in soil, they are also persistent.

5.2 Sub-surface Soil

Like the surface soil, Iron and Lead were found in the subsurface soil. The fate and transport of Iron and Lead is essentially the same in the sub-surface soil as it is in the surface soil.

A group of SVOCs collectively referred to as polycyclic aromatic hydrocarbons (PAHs) were also detected in subsurface soil. PAHs are ubiquitous in the environment with both natural and anthropogenic sources. Natural sources are related to the incomplete combustion of organic matter. Anthropogenic sources of PAHs arise from both non-point sources (e.g., motor vehicle exhaust, fumes from asphalt roads, etc.) and point-source inputs such as urban (storm water) runoff, petroleum spills, incomplete combustion of wood and grass fires, as a result of disposal of other materials such as those found in typical urban fill, etc.). PAHs are characterized by a strong sorption affinity to soil's organic matter and are considered immobile if sorbed onto soil. As the number of benzene rings and molecular weight increase, their water solubility and biodegradability decrease. Because of these characteristics, PAHs can be persistent in the environment.

Low concentrations of PAHs were reported in several subsurface soil samples; however, as shown in **Table 10**, only five PAH analytes (benzo(a)anthracene, benzo(b)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and 2-methylnaphthalene) were reported above their respective RSCO. Each of these analytes exceeded their respective RSCO at a frequency in 1 out of 8 samples (12.5%).

5.3 Groundwater

Constituents identified in groundwater include metals, pesticides/herbicides, PAHs and VOCs. In groundwater, constituents can be found as a solute (liquid or a non-aqueous phase liquid) or attached onto particles (turbidity). Since turbid flow through saturated soil and bedrock is not common and the sample results were relatively void of turbidity, this will not be discussed.

Individual constituents identified at concentrations exceeding TOGS 1.1.1 include: Antimony, Iron, Magnesium, Manganese, Sodium, Benzo(b)fluoranthene (a PAH), Heptachlor Epoxide (pesticide), and VOCs including Benzene, Ethylbenzene, MTBE, Xylene, 1,1-Dichloroethane, PCE, TCE, trans and cis 1,2-Dichloroethene, and Vinyl Chloride.

The metals Iron, Magnesium, and Manganese and Sodium are suspected to be naturally occurring in the groundwater because of the native glacial soil and a bedrock (composed of red shale and sandstone, limestone and gypsum) are often associated with one or more of these elements. This suspicion is supported by the relatively narrow range of concentrations in which these metals are found. The consistency of the concentrations between sampling events (refer to **Table 11** for results from the 2014 sampling event for monitoring wells MW-1 to MW-5 and the 2017 results) supports a consistent source of the metals which could be a naïve soil or bedrock. There are differences between events which may be due to water level or turbidity in the sample. Comparing the up- and down-gradient sample results to support the presence of a potential offsite source appears to be metal specific; sodium appears to be found at higher concentrations on the Rite Aid Parcel versus the Vacant Parcel; and Iron, with the exception of monitoring well MW-3, appears to be present at higher concentrations in downgradient samples versus upgradient samples. Magnesium and Manganese show no particular pattern. The data does not firmly support an on-site or off-site source of the metals, but these are naturally occurring elements.

Metal concentrations in groundwater will often remain constant provided the media in which the groundwater flows through stays the same or there isn't another force changing the water's pH or oxidation state. Dissolved Iron concentrations can increase in the presence of bioactivity which may be a sign that biodegradation. Antimony is not suspected to be from native soil or bedrock and could be the result of fill material where sulfides. It is noted that none of these metals were found at concentrations exceeding their soil cleanup objectives for the protection of groundwater in any soil sample collected from the Site.

Benzo(b)fluoranthene and Heptachlor Epoxide have similar characteristics. Both are large molecules which are relatively immobile once they absorb or fix onto another substance particularly another organic compound. Heptachlor Epoxide is potentially a breakdown product of Heptachlor, but unlike Heptachlor it is more resistant to breakdown mechanisms (volatilization, solution, etc.). In a liquid phase, Benzo(b)fluoranthene and Heptachlor have a low water solubility (less than 0.18 mg/L). Both compounds can volatilize but only under specific temperature conditions which are not consistent with groundwater temperatures. In general, both compounds are persistent.

VOCs including; Benzene, Ethylbenzene, MTBE, Xylene, Isopropylbenzene, Toluene, Methylene Chloride, Cyclohexane, Methylcyclohexane, 2-Butanone, Acetone, 1,2-Dichloroethane, 1,1-Dichloroethane, PCE, TCE, trans and cis 1,2-Dichloroethene, and Vinyl Chloride have different fate and transport characteristics than the other constituents found. But within the VOCs there are characteristic differences. First, VOCs vaporize (as measured by vapor pressure) readily which assists in their attenuation from the source of contamination and as a dissolved phase component in groundwater. The amount of a particular VOC will vaporize is highly dependent on the temperature of the soil and groundwater. Since at 4 to 5-feet below ground surface temperatures are rather constant, the amount of a VOC entering the vapor phase is lower than what might be expected at room temperatures. Other mechanisms that can impact the fate of VOCs in the subsurface include: absorption, microbial interactions (use as an electron donor or acceptor, or a food source); adiabatic changes; solubility; and oxidation processes outside of those caused by microbes. The VOCs ability to change (absorption, attenuate, dissolve, vaporize, etc.) provides a qualified measure of how persistent a particular VOCs is in groundwater. In general, the chlorinated VOCs; TCE, PCE, 1,2-Dichloroethane, 1,1-Dichloroethene and their breakdown products, and Methylene Chloride are relatively persistent because they don't volatilize readily (compared to others), readily absorb onto organic particles, and need specific groundwater conditions to be broken down by microbes or changed adiabatically. Benzene, Ethylbenzene, 2-Butanone, Acetone, Isopropylbenzene, Toluene, and Xylene have less affinity to absorb onto organics and breakdown in a wider range of conditions. MTBE is slightly different, it doesn't breakdown easily or absorb onto organic matter like the other VOCs.

The persistence in the environment is also a reflection of how easily the VOCs transport in the subsurface. MTBE is a small molecule and moves rapidly in the groundwater and is often missed in the source because it has already migrated away. Benzene, Isopropylbenzene, Ethylbenzene, Toluene, and Xylene when present in a pure phase or present as a result of a release of oil or gasoline will float on the groundwater, where it will easily vaporize into the unsaturated zone and comingle with the capillary fringe. Since these VOCs are lighter than water, they tend to migrate easily. Conversely, TCE, PCE and the breakdown products are heavier than water, absorb onto organics and accumulate at the bottom of the groundwater zone or onto a fine grain matrix like silt or clay. This tends to retard the flow of these VOCs in the saturated zone. Vapor transport of the chlorinated compounds is also well documented, but it is suspected that this attribute is caused by its ability to collect on fine grain soil and absorb onto organic materials before entering the water table. In the unsaturated zone the chlorinated compounds continue to vaporize in response to temperature.

5.4 Sub-slab and Indoor Air Samples

Several constituents are present in the sub-slab environment, but PCE and TCE are the only ones evaluated because of the limited number of constituents that have guidelines provided by the NYSDOH.

With VOCs, volatization is an important means of migration and the reason vapor intrusion is an important migration pathway. Volatilization from the groundwater into the unsaturated zone is greatly enhanced by temperature.

Once in the vapor phase and in the unsaturated zone, the fate of these compounds can be enhanced, especially those that breakdown in oxygen rich environments. The presence of oxygen in either the saturated or unsaturated zone will impact the fate of VOCs. VOCs such as Acetone, alcohols and some petroleum compounds can be broken down in such environments. For chlorinated compounds, although they will also volatilize, their breakdown is limited in oxygen rich environments.

The migration of VOCs through the unsaturated zone is based on the air transmissivity of the soil and also the presence of pressure gradients. The migration of VOCs in the subsurface and the transfer of constituents into the indoor air is an example of how lower pressure gradients affect VOC migration. During the heating season or where buildings are actively exhausting air by the operation of HVAC equipment, is one way to lower pressure is developed inside the building, forming a gradient through the concrete slab. Cracks and floor penetrations in the concrete floor or basement foundation walls are migration pathways where VOCs migrate into the indoor air.

6.0 Conceptual Site Model

The conceptual model for the Site provides a visualization of the Site's physical characteristics, the presence and extent of constituents, and a discussion about how these characteristics combine to affect the environment.

6.1 Geology and Hydrogeology

6.1.1 Geology

The investigations completed at the Site identify three overburden layers to the geology: fill; lacustrine or riverine sediments, and glacial till. Fill is found across the Site; on the Rite Aid Parcel, fill is found from 1.5 feet (Phase II soil boring SB-8) and up to 7.5 feet below the ground surface (at soil boring SB-9). Fill may be found even deeper where former buildings were demolished. The fill included brick, wood, concrete, soil and gravel. Those soil borings completed on the south side of the Rite Aid Parcel were found to have soil stains, odors, or elevated PID measurements associated with the fill. PID measurements ranged from 13 parts per million ("ppm") to 312 ppm at soil boring location MW-1, at a depth of approximately 8 feet below the ground surface.

Beneath the fill the undisturbed soil/sediment consisted of fine sand, silt, and clay. Clay was the most dominant grain size found and was frequently inter-fingered with silt and fine sand. Where the clay was not interrupted with silt and sand lenses or varves, the clay has a plastic texture. At a depth of approximately 6 to 12-feet below the ground surface silt and fine sand was common. At depths of approximately 18 to 24-feet, hard fine sand and variable amounts of silt were encountered. These dense soils suggest there is a veneer of till over the bedrock. Groundwater was first noticed within saturated soil present at a depth of approximately 8 to 12-feet below the ground surface. Groundwater was primarily present below the fill material.

Bedrock was encountered on the Vacant Parcel at a depth of approximately 20.3 to 24.5 feet below the ground surface at monitoring well locations MW-11 and MW-5. Bedrock was identified when the hollow stem augers could no longer be advanced.

Soil boring, test pit, and monitoring well construction logs are provided as **Appendix 4**.

6.1.2 Hydrogeology

Groundwater was encountered in the Site's fine sand/silt unit at a depth ranging from 4.85 feet (elevation of 591.717 feet) at monitoring well MW-4 to a depth of 8.15 feet (elevation of 587.485 feet) below the ground surface at monitoring well MW-9. The non-clay soil have a medium to dense consistency and a silt or fine sand grain size, and at times these samples did not indicate saturated conditions. The soil at many of the locations suggested groundwater was below a depth of 8 feet, but once monitoring wells were constructed and developed, the static water table rose. Mapping the water table on the site conducted on April 17, 2017, shows the groundwater flowing from northeast to the southwest across the Site property (see **Figure 9**). The flow of groundwater is somewhat complicated by a mound centered around monitoring well location MW-3. Groundwater flows off the mound radially in all directions, but once off the mound and on the Site, groundwater flows to the south southwest. With this flow direction, monitoring wells MW-7 and MW-8 are upgradient from the rest of the Site. Monitoring well MW-2 is also upgradient, but it is impacted with petroleum products consistent with the former use of that area of the Site and is not suspected of being a true representation of off-site conditions.

6.2 Impacted Media

The sampling results were compared to appropriate SCOs from 6 NYCRR Part 375, TOGS 1.1.1, and the NYSDOH's SVI Guidance Document. The following discussion provides more context to the overall site data set.

6.2.1 Surface Soil

Recent RI surface soil sampling focused primarily on the Vacant Parcel where exposed surficial soil is present. Sampling on the Rite Aid Parcel focused primarily on attempting to locate the source(s) of identified groundwater impacts, but one surface soil sample was collected in a patch of lawn on the north side of the property. The surface soil samples were collected to evaluate those constituents which might impact human and environmental health.

Lead and Iron are the only constituents found at concentrations which exceed RSCOs at the request of NYSDEC. Lead was found on the northern portion of the Vacant Parcel in the sample Surface 2 and Surface 4, at concentrations of 800 and 470 mg/Kg, respectively. The RSCO for lead is 400 mg/Kg. In general, the presence of Lead is suspected as an anthropogenic contaminant, since it is rarely found in the glacial soil present in the area. In addition, both sampling locations found fill soils and materials including brick, concrete and wood suggesting these materials are either from the demolition of the former residential buildings or were incorporated into any fill soil brought to the Site. This would support our belief that Lead is from the fill, lead based paint, or possible air pollutants. Once present, Lead is stable element and requires a change in soil pH and, or combining with other ions (nitrates, chlorides, sulfates, etc.)

Iron was ubiquitous in all samples at concentrations which exceeded RSCOs. The concentrations found are, however, consistent with the concentrations of iron expected in this area of the United States as indicated by the USGS in its report entitled "Geochemical and Mineralogical Maps for Soils of the Conterminous United States." This report indicates that in the Buffalo region the iron concentration in surface soil (0-5 centimeters) can range from 2.18 to 2.48 weight percent or 21,800 to 23,800 mg/Kg. This concentration is higher than both the observed surface soil concentrations for iron and the RSCO. The RSCO for iron is 2,000 mg/Kg. The ability of iron to migrate is dependent on its oxidation state, pH, and its ability to combine with other ions. Because it's a common element in the soil, it is difficult to conclude iron found in lower soil units is because of migration. Given the soil in the area is derived from glacial deposition and the erosion of limestone, it would be unusual to find conditions of low pH which would enable Iron to migrate in solution. Since it is doubtful that either lead and iron could be transported in solution from the Site, the only possible means of migration of these contaminants would be as dust or as sediment in runoff. Lead and iron will be persistent contaminants on the Site.

6.2.2 Subsurface Soil

The extent of constituents in the subsurface soil was delineated by comparing the analytical results from the Phase II investigation and the RI to the appropriate SCOs. For sampling locations on the Rite Aid Parcel, subsurface soil sampling results were compared to CSCOs. For sampling locations on the Vacant Parcel, subsurface soil sampling results were compared to RSCOs and USCOs. Additionally, where a contaminant was reported in groundwater above its standard or guidance value, the contaminant was also compared to the soil SCO for protection of groundwater ("GWSCO").

On the Rite Aid Parcel, no soil constituents were found to exceed their respective CSCO (**Figure 10**). However, because there were constituents exceeding the TOGS 1.1.1 SCOs for protection of groundwater, those soil results were compared to the NYSDEC's SCOs for the protection of groundwater ("GWSCO"). **Table 16** presents this comparison. For many organic compounds, GWSCOs are more restrictive than CSCOs and RSCOs. Three soil samples located within the Rite Aid Parcel had at least one analyte that was reported at a concentration above its GWSCO:

- Sample B-6 (4’ – 8’), located in the southeast corner of the Rite Aid Parcel, had benzene, ethylbenzene, and total xylenes reported at concentrations above their respective GWSCOs.
- Sample SB-2 (5’ – 6’), located in the northern corner of the Rite Aid Parcel, had Benzo(a)anthracene, Chrysene, and Acetone reported at concentrations above their respective GWSCOs.
- Sample SB-3 (4’ – 5’), located in the northern portion of the Rite Aid Parcel, had Acetone reported at a concentration above its GWSCO.

These sample intervals are slightly above and within the capillary fringe of the water table at this location. As shown on **Table 9**, these PAHs included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and 2-methylnaphthalene. At the location B-6, benzene, ethylbenzene, and total xylenes were also found in the groundwater sample from that location exceeding the TOGS 1.1.1 groundwater quality standards (**Figure 10** and **Figure 11)**; however, the groundwater sample from that location was collected directly from the soil boring without well development or purging and is therefore suspect. It is unclear whether BEX is from the soil (desorption) or from the contaminated groundwater (absorption), but in either case, their presence is partially caused by their ability to migrate from a source. Their ability to migrate is partially caused their relatively high solubilities and their moderate ability to attach themselves to organic matter or other organic compounds. The latter causes them to attenuate in the direction of migration. BEX is also susceptible to volatilization, which like organic absorption, causes attenuation of their mass. Unlike absorption, the driver for natural volatility is temperature and air flow. Since the ground temperature in or near the water table will be relatively low (approximately 52-degrees Fahrenheit), natural volatility will also be correspondingly low. Because BEX is found below the ground surface air flow is not a factor to promote natural volatility. The fate of BEX in the subsurface is expected to be less than many organic compounds because of its ability to lose mass due to absorption and volatility, but also its ability to be metabolized by indigenous microbes, but these processes are dependent upon temperature and if the microbes present require oxygen or anoxic conditions. BEX is readily metabolized in the presence of oxygen.

Iron is ubiquitous on the Vacant Parcel and found in four test pit locations (TP-2, TP-3, TP-4 and TP-5) and two soil boring locations (SB-10 and SB-14). Iron was found at depths ranging from 5 to 12 feet below the ground surface at concentrations exceeding the RSCO, but these are consistent with expected background concentrations. Residential use is not planned for the Vacant Parcel.

The results from the sampling at the Vacant Parcel were also compared to the GWSCO’s (**Table 16**). Two soil samples located within the Vacant Parcel had at least one analyte that was reported at a concentration above its GWSCO:

- Sample TP-3 (8'), located near the central portion of the Vacant Parcel, had Acetone reported at a concentration above its GWSCO.

- Sample TP-4 (5'), located in the western portion of the Vacant Parcel, had Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Chrysene reported at concentrations above their respective GWSCOs.

The subsurface soil sample collected from test pit TP-4 and the surface soil samples Surface 1, Surface 2, Surface 4 and Surface 5 contained compounds that exceeded the GWSCOs. The surface soil samples all exceeded the GWSCO for Chrysene; however, none of the groundwater samples collected in this area of the Site contained Chrysene in excess of its groundwater quality standard. PAHs, Phenol, and 2-Methylphenol were reported at concentrations exceeding their GWSCOs in the sample from TP-4; however, these constituents were not found or were found at concentrations below the laboratory reporting limit and not exceeding their TOGS 1.1.1 groundwater quality standards or guidance values. PAHs and 2-Methylphenol have a limited ability to attenuate, degrade or migrate because of their low solubilities, volatility, and high absorptive properties. Consequently, they are persistent in the soil. Phenol has a relatively high solubility and low absorption coefficient allowing it to migrate in the soil and groundwater unlike PAHs and 2-methylphenol.

None of the soil samples contained detectable concentrations of VOCs.

6.2.3 Groundwater

The extent of groundwater impact is confined to two areas of the Site which is influenced by the direction of groundwater flow and the former property use. Chlorinated solvent compounds impact a narrow area from monitoring well MW-3 to MW-12. TCE, PCE, cis 1,2-Dichloroethene and Vinyl Chloride are the main constituents, but in past sample events, trans 1,2-Dichloroethene, 1,1,2-Trichloroethane, and Trichlorofluoromethane were found at concentrations that exceed their TOGS 1.1.1 groundwater quality standards. The temporary monitoring wells installed by AEI during their Phase II also showed evidence of chlorinated solvent compounds (**Figure 11**). The combined data indicates the extent of impact greater than the TOGS 1.1.1 groundwater quality standards is hydraulically upgradient from monitoring well MW-3, at the approximate location of AEI soil boring B-2. Detectable concentrations of chlorinated solvents were found to extend southeast across the hydraulic gradient to AEI soil borings B-4 and B-9 but were found at concentrations below the TOGS 1.1.1 groundwater quality standards. Chlorinated solvent compounds were not found in the samples collected from monitoring well MW-9, suggesting that impacted groundwater has not migrated beyond the intersection of Virginia and Seventh Streets. The fate and transport of the chlorinated compounds is similar to the BEX compounds found in the soil, with the exception that these are more persistent because resistance to degradation and needing specific conditions (a carbon source, hydrogen ions, and specific bacteria) to promote degradation. Like BEX, chlorinated compounds have the ability to volatilize but have a lower solubility in water.

The second area where groundwater impacts are identified is in the area of monitoring wells MW-1 and MW-2 on the Rite Aid Parcel. This area was historically a gasoline station, so petroleum compounds are a concern. Benzene, Ethylbenzene, Isopropyl benzene, Xylene, MTBE and 1,1-Dichloroethane are the most common contaminants found. In the sample from monitoring well MW-9 (offsite) Benzene and Acetone were found. None of constituents found in monitoring well MW-9 exceeded their TOGS 1.1.1 groundwater quality criteria. BEX and Isopropyl benzene, MtBE and 1,1-Dichloroethane have the same fate and transport characteristics. Unlike other compounds, MtBE has a lower solubility in water and has a very low absorption coefficient. As a result, it migrates quickly through groundwater and maintains it mass. Acetone shares many of the same chemical characteristics as BEX, but has a lower solubility. Acetone, however, has a higher absorptive coefficient and it readily metabolized by microbes. Acetone is sometimes found in the environment as an end product of the breakdown of other naturally occurring and manufactured organic compounds.

In addition to VOCs, minor concentrations (less than 1 µg/L) of PAHs and pesticides/herbicides were found in the groundwater samples.

Three PAH compounds were detected in groundwater samples at concentrations that did not exceed their applicable TOGs 1.1.1 groundwater standard or guidance value, including naphthalene (MW-2 and MW-3), phenanthrene (MW-2, MW-3, and MW-4), and benzo(b)fluoranthene (MW-2). Two additional PAH compounds, benzo(a)perylene and dibenz(a,h)anthracene, were detected at MW-4 at low concentrations; however, no groundwater standard or guidance value exists for either compound.

Two pesticide compounds were detected in groundwater samples collected from the Site at concentrations that did not exceed their applicable groundwater standards. These pesticides included heptachlor (MW-6) and heptachlor epoxide, a degradation product of heptachlor (MW-8 and MW-9). An additional pesticide, trans-chlordane, was detected in groundwater collected from MW-1, MW-6, and MW-9; however, no groundwater standard or guidance value exists for trans-chlordane.

Metals found in the groundwater at the Site vary widely. In the samples collected from permanent monitoring wells installed during the 2014 Limited Phase II and the RI, few metals in excess of the TOGS 1.1.1 groundwater quality criteria were found. Those metals included iron, magnesium, manganese, and sodium. During the 2014 Limited Phase II arsenic, barium, cadmium, total chromium, lead, silver, selenium, and mercury in excess of the TOGS 1.1.1 groundwater quality criteria. AEI installed temporary monitoring points, possibly without the benefit of proper well development.

The results of the analyses of samples collected from permanent monitoring wells include the following:

- Iron was found in the groundwater samples at concentrations ranging from 160 µg/L in monitoring well MW-2 (2014) to 3,210 µg/L in monitoring well MW-1 (2017). The TOGS 1.1.1 groundwater quality criterium is 300 µg/L.

- Magnesium was found in the groundwater samples at concentrations ranging from 45,700 µg/L in monitoring well MW-6 (2017) to 153,000 µg/L in monitoring well MW-7 (2017). The TOGS 1.1.1 groundwater quality criterium is 35,000 µg/L.

- Manganese was found in the groundwater samples at concentrations ranging from 110.7 µg/L in monitoring well MW-5 in 2017) to 749 µg/L (monitoring well MW-1 in 2017). The TOGS 1.1.1 groundwater quality criterium is 300 µg/L.

- Sodium was found in the groundwater samples at concentrations ranging from 27,300 µg/L in monitoring well MW-6 (2017) to 173,000 µg/L in monitoring well MW-2 (2014). The TOGS 1.1.1 groundwater quality criterium is 20,000 µg/L.

The 2014 Limited Phase II groundwater data shows maximum metal concentrations were found in the sample from soil boring B-7 which identified the following:

- Arsenic at a concentration of 348 µg/L; the TOGS 1.1.1 quality criterium is 25 µg/L

- Cadmium at a concentration of 12.9 µg/L;

- Total Chromium at a concentration of 560 µg/L; the TOGS 1.1.1 quality criterium is 50 µg/L

- Silver at a concentration of 65,500 µg/L; the TOGS 1.1.1 quality criterium is 50 µg/L

- Selenium at a concentration of 23 µg/L; the TOGS 1.1.1 quality criterium is 10 µg/L

- Mercury at a concentration of 40 µg/L; the TOGS 1.1.1 quality criterium is 0.7 µg/L

In the 2014 Limited Phase II groundwater sample from soil boring B-3, Barium was reported at a concentration of 6,530 µg/L (the TOGS 1.1.1 quality criterium is 1000 µg/L); and Lead at a concentration of 7120 µg/L (the TOGS 1.1.1 quality criterium is 25 µg/L). Barium was also identified by AEI as a possible laboratory contaminant.

The fate and transport of metals is highly dependent on the pH of the groundwater, the oxidation state of the metals, and the presence of other ions. Consequently, metals are often found with limited mobility and are persistent in the environment. Iron, Manganese, Magnesium, and Sodium are commonly found because of the native soil and bedrock conditions, so it is difficult to conclude if these metals are mobilized through the Site from on-Site or off-Site source, or present because of the natural soil and bedrock conditions. The other identified metals; Arsenic, Barium, Cadmium, Silver, Selenium and Mercury are relatively uncommon in the soil and bedrock, so their presence may be the result an on-Site or off-Site source. The ability for these compounds to migrate is dictated on the pH of the

groundwater, complexing with other ions to enhance their solubility, and their oxidation state. In general, these are persistent and tend to complex with other ions and fall out of solution.

6.2.4 Vapor

During the VOC Vapor Investigation conducted in 2014, two sub-slab soil vapor samples (S-1 and S-2) and one indoor air sample (S-3) were collected and sent for laboratory analysis. In 2017, two sub-slab soil vapor samples (SS1 and SS2), two indoor air samples (IA1 and IA2), and one outdoor (Outdoor) sample was collected for laboratory analysis as part of the RI. **Table 17** presents the detected compounds found during both the 2014 and 2017 sampling events. The soil vapor, indoor air, and outdoor (ambient) air sampling locations and laboratory results are presented on **Figure 12**.

The results show chlorinated solvent-related constituents in the soil vapor on the Rite Aid parcel and on the south side of the Vacant Parcel. Solvent-related compounds (e.g., acetone, ethyl acetate, and 2-butanone) and several chlorinated compounds (e.g., trichloroethene, dichlorodifluoromethane, and chloromethane), and gasoline-related compounds (e.g., ethanol and heptane), were found in the indoor air sample collected in 2014 and in both indoor air samples collected during the 2017 sampling event. Note that solvent-related compounds, chlorinated compounds, and one gasoline-related compound were also detected in the outdoor (ambient) air sample. Acetone is also a common laboratory related compound.

In general, this discussion will focus on those constituents that have NYSDOH guidance values, and will address other constituents that include petroleum compounds, ketones and alcohols. TCE was found in three out of the four sub-slab samples. During Leader's 2014 Phase II, only sub-slab sample S-1 contained TCE at a concentration of 59.7 µg/M^3, while during the 2017 RI, TCE was found in both sub-slab samples (SS-1 and SS-2) at concentrations of 221 µg/M^3 and 14.5 µg/M^3, respectively. In 2017, TCE was detected at concentrations of 0.161 µg/M^3 and 0.156 µg/M^3, respectively, in both indoor air samples (samples IA1 and IA2). In 2014, TCE was not found in the indoor air. This pattern of detection was also observed for the PCE sample results. In 2014 only sample S-1 identified PCE at a concentration of 4.71 µg/M^3, but in 2017, both samples, SS1 and SS2, contained PCE at concentrations of 136 and 80 µg/M^3, respectively. The indoor air samples (IA1 and IA2) from 2017 also found PCE at 0.936 and 0.997 µg/M^3, respectively.

Cis 1,2-Dichloroethene, a breakdown product of both TCE and PCE, was found once in the 2014 sample from S-1 at a concentration of 2.43 µg/M^3. The Cis 1,2-Dichloroethene isomer, Trans 1,2-Dichloroethene, appeared in the same sample at a concentration of 1.59 µg/M^3. Neither Cis 1,2-Dichloroethene nor Trans 1,2-Dichloroethene were found in the 2017 samples.

Carbon Tetrachloride was also found in the air samples, in the indoor air samples and outdoor air sample collected in 2017. The concentrations ranged from 0.566 µg/M^3 in the IA2 sample to 0.409 µg/M^3 in the outdoor sample. These concentrations are nearly equivalent.

Decisions for additional monitoring or mitigation are based on a NYSDOH Guidance Document matrix. There are three matrixes; the two which are applicable to the Site are Matrix A and B. Matrix A is used to evaluate data containing Cis 1,2-Dichloroethene, TCE, 1,1-Dichloroethene, and Carbon Tetrachloride. In general, individual constituent concentrations above 6 µg/M^3 in sub-slab samples and above 0.2 µg/M^3 in the indoor air triggers a response to monitor or to take mitigation steps. When sub-slab concentrations exceed 60 µg/M^3 for any given constituent, then vapor mitigation is required.

Matrix B is used to evaluate PCE, Methylene Chloride, and 1,1,1-Trichlroethane results. In general, individual constituent concentrations above 100 µg/M^3 in sub-slab samples and above 0.3 µg/M^3 in the indoor air triggers a response to monitor or mitigate. When sub-slab concentrations exceed 1,000 µg/M^3 for any of the three constituents, then vapor mitigation is required.

As previously presented in Section 4.3, for comparison to the Matrix A and Matrix B recommended actions, the most recent (i.e., 2017) vapor sampling data is used. Two compounds detected at the Site (carbon tetrachloride and TCE) are included in Matrix A. Sub-slab sampling results were reported at less than 6 ug/M^3 and indoor air concentrations at IA-1 and IA-2 were less than 1 ug/M^3; therefore, no further action is required for carbon tetrachloride. However, while indoor air concentrations at IA-1 and IA-2 were less than 0.02 ug/M^3, TCE was reported in sub-slab sample SS-1 at greater than 60 ug/M^3; therefore, mitigation is recommended by NYSDOH guidance. Tetrachloroethene in included in Matrix B, and based on both the sub-slab and indoor air results, no further action is recommended.

In addition to the chlorinated solvent constituents, other compounds were found including petroleum related compounds, alcohols, and ketones. These compounds do not have NYSDOH standards. Acetone, Isopropanol, and Ethanol were found in seven of eight samples including the outdoor air sample. In all cases the constituent concentrations were greater beneath the floor slab and in the indoor air compared to the outdoor sample. In 2017, Acetone was detected at concentrations of 26.6 µg/M^3 and 27.1 µg/M^3 at indoor samples IA2 and IA2, respectively, compared to concentrations of 70.6 µg/M^3 at sub-slab sample SS1 and 122 µg/M^3 at sub-slab sample SS2. Also in 2017, the concentration of Isopropanol and Ethanol were greater in the indoor samples than the sub-slab samples. Isopropanol was found at a concentration of 50.1 µg/M^3 at indoor sample IA1 and 54.1 µg/M^3 at indoor air sample IA2, compared to the sub-slab concentrations of 15.3 µg/M^3 and 21.4 µg/M^3, detected at samples SS1 and SS2, respectively. Ethanol was found once in the sub-slab at a concentration of 108 µg/M^3 at SS2, compared to indoor air concentrations of 326 µg/M^3 and 335 µg/M^3, detected at sub-slab samples IA1 and IA2, respectively.

Similarly, in 2014, Acetone was detected at higher concentrations in the indoor air than in the sub-slab samples. Acetone was detected at 85.8 µg/M^3 in the indoor air sample S-3. Acetone was detected at 27.3 in the sub-slab sample S-1, and at a concentration of 20 µg/M^3 in the sub-slab sample S-2.

The pattern is reversed for Isopropanol and Ethanol. Isopropanol was found at concentrations of 50.4 µg/M^3 in S-1 and 41.5 µg/M^3 in the sub-slab sample S-2, compared to the indoor air concentration 28.3 µg/M^3 at S-3. Ethanol was found at concentrations of 57.8 µg/M^3 in the sub-slab sample S-1 and 57.4 µg/M^3 in sub-slab sample S-2, compared an indoor air concentration 494 µg/M^3.

2-Butanone was another compound commonly found in the sample analysis results. In 2014, 2-Butanone was found in all samples, but at slightly higher concentrations in the sub-slab samples, S-1 (5.46 µg/M^3) and S-2 (5.9 µg/M^3), than in indoor samples. In the indoor air sample, S-3, 2-Butanone was found at a concentration of 1.88 µg/M^3). In 2017, 2-Butanone was found only in the sub-slab samples at concentrations of 17.9 µg/M^3 in sample SS-1 and 24.4 µg/M^3 in sample SS-2.

Tertiary Butyl Alcohol ("tBA"), a gasoline additive, was found only in the 2014 sub-slab and indoor air samples. In the sub-slab, tBA was found at concentrations of 5.91 µg/M^3 in sample S-1 and 3.58 µg/M^3 in sample S-2. In the indoor air sample S-3, tBA was found at a concentration of 1.52 µg/M^3.

Benzene was found in all of the 2014 samples, but only once in the 2017 air samples. In 2014, Benzene was found at concentrations of 1.5 and 2.78 µg/M^3 in samples S-1 and S-2, respectively. In the indoor air sample (S-3), Benzene was found at a concentration of 0.649 µg/M^3. In 2017, Benzene was found only in sub-slab sample SS-2 at a concentration of 9.26 µg/M^3.

Toluene was found in all samples collected during both the 2014 and 2017 sampling events. In 2014, the concentration of Toluene was greater in the indoor air (5.88 µg/M^3) than in the sub-slab samples (1.6 and 2.61 µg/M^3). In 2017, Toluene was found in the sub-slab samples at concentrations of 8.4 µg/M^3 at sample location SS1 and 16.1 µg/M^3 at sample location SS2. The indoor air samples contained Toluene at nearly identical concentrations of 3.99 µg/M^3 for air sample IA1 and 3.64 µg/M^3 for sample IA2. The outdoor sample contained Toluene at a concentration of 2.0 µg/M^3.

Several constituents are present in the sub-slab environment. Only PCE and TCE are evaluated because they are the only constituents of concern for the Site that have guidelines provided by the NYSDOH.

With VOCs, volatilization is the means of contaminant migration and vapor intrusion is an important migration pathway to be considered. Volatilization from the groundwater into the unsaturated zone is greatly enhanced by temperature.

Once in the vapor phase and in the unsaturated zone, the fate of these compounds can be enhanced, especially those that breakdown in oxygen rich environments. The presence of oxygen in either the saturated or unsaturated zone will impact the fate of VOCs. VOCs such as Acetone, alcohols and some petroleum compounds can be broken down in such environments. For chlorinated compounds, although they also volatilize, breakdown is limited in oxygen rich environments.

The migration of VOCs through the unsaturated zone is based on the air transmissivity of the soil and also the presence of pressure gradients. The migration of VOCs in the subsurface environment and the transfer of constituents into the indoor air in buildings is an example of how lower pressure gradients affect VOC migration. During the heating season or where buildings are actively exhausting air by the operation of HVAC equipment, lower pressure is developed inside the building, forming a gradient through the concrete slab. Joints, cracks, sumps, and floor penetrations in the concrete floor slabs or basement foundation walls are migration pathways for VOCs to migrate into the indoor air.

7.0 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

A qualitative human health exposure assessment (QHHEA) was performed to evaluate the potential risk (if present) to receptors from Site-related contaminants. An exposure pathway describes how an individual may be exposed to contaminants originating from the Site. Exposure can occur through direct contact, inhalation, and/or ingestion. As defined by DER-10, an exposure pathway has five elements: 1) a contaminant source, 2) contaminant release and transport mechanisms, 3) a point of exposure, 4) a route of exposure, and 5) a receptor population. An exposure pathway is complete when all five elements of an exposure pathway exist. An exposure pathway is considered a potential pathway when one or more of the elements currently does not exist but could in the future.

Potentially exposed populations using the Site fall into the following categories:

- Rite Aid Parcel
  - Employees
  - Visitors/customers
  - Construction/utility workers
- Vacant Parcel
  - Trespassers
  - Construction/utility workers
- Off-Site
  - Trespassers
  - Construction Workers

A discussion of the QHHEA is presented below; a summary of the findings are presented in **Table 18**.

7.1 Rite Aid Parcel

Potential receptors at the Rite Aid Parcel include employees, visitors/customers, and construction/utility workers. Potential exposure to surface soil does not exist as the parcel is covered by asphalt or the building footprint; only a small portion of the Rite Aid Parcel has exposed ground cover. A surface soil sample from the grassed area indicated that no exceedances of unrestricted use SCOs existed.

Employees at the Site do not have potential risks to direct contact, inhalation, or ingestion of subsurface soil or groundwater because their normal work tasks do not involve exposure to subsurface soil or groundwater. Visitors to the Site also do not have exposure to subsurface soil or groundwater. Utility workers have a potential direct contact exposure risk if their work involves disturbing subsurface soil in potentially impacted areas and/or working in an excavation at a depth where groundwater may be encountered. However, potential exposures for utility workers can be mitigated by the proper use of a Health and Safety Plan (HASP) and PPE, as needed.

TCE and PCE were each present in at least one indoor air sample; however, at a concentration below both NYSDOH guidance values and BASE Database 90th Percentile values. TCE was present; however, in one sub-slab soil vapor sample at a concentration where NYSDOH recommends mitigation, therefore, a potential for worker exposure may exist. Utility workers have the potential for inhalation exposure if their work involves disturbing subsurface soil in potentially impacted areas; however, these potential risks can be mitigated with proper use of a HASP and PPE, as needed.

7.2 Vacant Parcel

Potential receptors at the Vacant Parcel to surface soil include trespassers and construction/utility workers. The Vacant Parcel is covered with vegetation, including grasses, shrubs, and trees, and a no trespassing sign exists. Because the Vacant Parcel is vegetated, exposure by dust inhalation does not exist. However, while considered minimal, potential dermal contact exposure to both anthropogenic and natural sources of lead and iron in surface soil exists for trespassers and utility/construction workers.

Iron was ubiquitous in all surface and subsurface soil samples collected from the Vacant Parcel. At one location, eight PAH compounds were present above USCOs. Potential risks to direct contact, inhalation, or ingestion of subsurface soil or groundwater do not exist for trespassers because they would not be exposed to subsurface soil or groundwater. Utility workers have a potential direct contact exposure risk if their work involves disturbing soil in potentially impacted areas and/or working in an excavation at a depth where groundwater may be encountered. However, potential exposures for utility workers can be mitigated by the proper use of a HASP and PPE, as needed.

7.3 Off-Site

Risks associated with off-site areas are limited to utility/construction workers that conduct activities in the right-of-way where contaminated soil or groundwater may exist. Potential dermal contact, inhalation, and/or ingestion exposures are believed to only exist southwest of the Site where the downgradient extent of dissolved impacts in groundwater have not been definitively defined. No potential exposure to residents exists under normal conditions as public water is supplied to the community."

In response to the Department's request to include a fish and wildlife resource impact analysis (FWRIA) in the RI Report, as presented in DER-10, Section 3.10.1(b), if four criteria apply at a site, it can be assumed that a FWRIA is not required. A FWRIA is not included in the RI Report because the Site:

1) The spill does not adversely impact fish and wildlife resources. The Site is not near a surface water body, the Rite Aid portion of the Site where impacts have been identified is covered with hard surface, and the Vacant Parcel has only one location containing PAH impacts at a concentration above USCOs (located at 5-feet bgs-below the depth for a burrowing animal).
2) The sources of impacts are suspected to be from historical USTs with no significant impact to groundwater or surface water. No surface water body exists in the vicinity of the Site. The Site is located in an urban area, with other potential contributors to groundwater impacts (as presented in Section 2.3), and while the extent of the dissolved impacts are not definitively defined, based on existing data, it is not anticipated that groundwater impacts extend significantly beyond the Site.
3) The contamination does not discharge to a surface water, and there is no widespread soil contamination or habitat of an endangered, threatened, or special concern species present. The U.S Fish and Wildlife IPaC indicates that "There are no critical habitats at this location". The Monarch Butterfly is a candidate species and not yet listed as an endangered species or proposed for listing; however, the Site impacts do not affect the butterfly.
4) There are no ecological resources present on or in the vicinity of the Site.

Additionally, the Rite Aid Parcel is almost entirely paved or covered with the building footprint. The Vacant Parcel was developed with residential properties until the late 1990s, and the ground surface currently consists of some soil with pieces of concrete and brick from demolition of the former residential buildings. Based on the above, Leader respectfully does not believe that inclusion of a FWRIA is required.

8.0 Conclusions

Based on the pattern of the impacted media and the concentrations identified, conclusions developed by Leader with respect to contaminants identified in various media are presented in the following sections.

8.1 Soil

No major areas of impacted soil were identified. Surface soil samples Surface 2 and Surface 4, collected from the northern end of the Vacant parcel, identified Lead impacts that exceed the RSCO.

As shown on **Table 9**, the subsurface soil sample collected at 5-feet bgs from test pit location TP-4 (located on the former residential parcel) also contained several PAH analytes at concentrations that slightly exceeded RSCOs. These PAH analytes included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k) fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and 2-methylnaphthalene. At AEI soil boring B-6 the soil sample collected from 4 to 8 feet bgs had benzene, ethylbenzene, and xylenes at concentrations that exceeded their respective USCO values; however, this soil sample was collected from under the asphalt parking area maintained as part of the Site's use as a retail store. These PAH analytes included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h,) anthracene, indeno(1,2,3-cd)pyrene, and 2-methylnaphthalene.

During the RI iron was reported in each of the 8 subsurface soil samples above its RSCO of 2,000 mg/Kg. Note that a CSCO value for iron does not exist. These results were consistent with subsurface soil results collected during previous investigations from across the Site."

Similarly, as shown n **Table 8**, iron was reported in each of the six surface soil samples collected from both the Rite Aid and Vacant Parcel at concentrations consistently ranging from 12,000 mg/Kg to 14,000 mg/Kg. The RSCO for iron is 2,000 mg/Kg; however, a CSCO value for iron does not exist.

8.2 Groundwater

Two relatively distinct areas of groundwater impact were identified. The groundwater in the area between monitoring well locations MW-3 and MW-12 is impacted with chlorinated solvents and the area between monitoring wells MW-1 and MW-2 is impacted by petroleum compounds. TOGS 1.1.1 are exceeded in both of these areas. As shown on **Figure 11**, while three chlorinated compounds (vinyl chloride, TCE, and cis-1,2-dichloroethene) exceeded groundwater standards at a sample collected from off-Site well MW-12, the estimated downgradient extent of the dissolved chlorinated plume indicates that it is primarily within the Site's boundaries. Additionally, the estimated extent of dissolved petroleum-related compounds does not appear to extend off-Site, as indicated by the groundwater sampling results from MW-1, MW-9, MW-10, and MW-12.

8.3 Sub-slab Vapor

Based on the concentration of TCE reported in sub-slab sample SS-1, the NYSDOH's Indoor Air Decision Matrix A (updated in May 2017) recommends mitigation. Given that indoor air samples identified very low concentrations of TCE (less than 1 µg/M^3), Rite Aid will review its HVAC system operation to ensure that the conditions that are providing acceptable air quality are maintained and will continue to monitor the indoor air quality to document the success of those efforts.

9.0 Recommendations

As forwarded in a letter dated April 13, 2023, the NYSDEC has determined that additional investigation is required to further delineate the nature and extent of contamination on the site. The NYSDEC has required the following additional sampling and assessment be completed:

1. Sampling of emerging contaminants (PFAS and 1,4-dioxane) in soil and groundwater
2. Sampling of sub-slab soil vapor with co-located indoor air samples for evaluation of soil vapor intrusion in the Rite Aid structure and to evaluate current exposure concerns in the building.
3. Assessing groundwater within the northwestern portion of the Rite Aid Parcel and in all wells onsite; determine the extent of the two distinct groundwater contamination plumes on the Site.

Upon approval of a final Remedial Investigation Report, a Supplemental Remedial Investigation Work Plan (Supplemental RIWP) to address the NYSDEC's directive for additional investigation will be prepared.

In the interim, Rite Aid's Facilities Group is evaluating the requirement to have a fence constructed around the Vacant Parcel.

FIGURES



Title: Site Location Map Rite Aid - 350 Niagara Street Site #C915297 Buffalo, New York	Leader Professional Services 271 Marsh Road, Suite 2 Pittsford, NY 14534 (585) 248-2413 FAX (585) 248-2834	Project: 855.002 Date: 6/30/2017 Scale: Not to Scale	Drawn: PVS Checked: MPR File Name: Site Location Map	Figure: 1
Prepared For: Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania				

AEI Sampling Point

Potential Former UST Pits



Title: AEI Limited Phase II Sample Locations Rite Aid – 350 Niagara Street Site #C915297 Buffalo, New York	Leader Professional Services 271 Marsh Road, Suite 2 Pittsford, NY 14534 (585) 248-2413 FAX (585) 248-2834	Project: 855.002 Date: 9/14/2023 Scale: Not to Scale	Drawn: SF Checked: BWA File Name: AEI Limited Phase II Sample Locations	Figure: 2
Prepared For: Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania				

NORTH

Approximate Boundary

SS-1 Sub-slab and IA-1 Indoor Air Sampling Locations

Ambient Air Sample Location



Title	2014 Sub-slab and Indoor Air Sampling Locations Rite Aid - 350 Niagara Street Site #C915297 Buffalo, New York
Prepared For	Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania 17011

Leader Professional Services
271 Marsh Road, Suite 2
Pittsford, NY 14534
(585) 248-2413
FAX (585) 248-2834

Project	855.002
Date	6/20/2023
Scale	Not to Scale
Drawn	PVS
Checked	BWA
File Name	Air Sampling Locations
Figure	3

Soil Boring Location

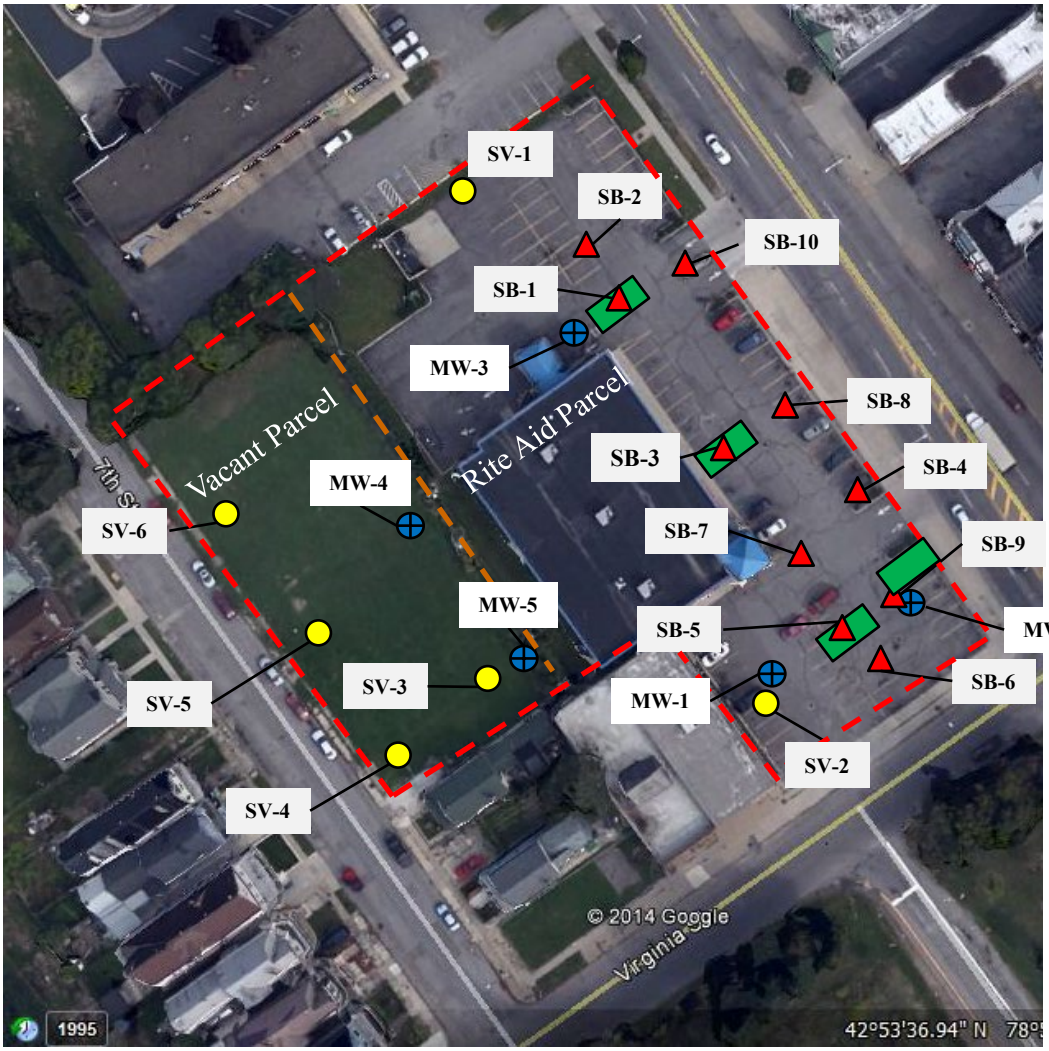
Soil Vapor Probe Location

Overburden Monitoring Well

Approximate Boundary

Potential Former UST Pits

NORTH



Title: Leader Site Investigation Sampling Locations
Rite Aid - 350 Niagara Street
Site #C915297
Buffalo, New York

Prepared For: Rite Aid of New York, Inc.
30 Hunter Lane
Camp Hill, Pennsylvania

Leader Professional Services
271 Marsh Road, Suite 2
Pittsford, NY 14534
(585) 248-2413
FAX (585) 248-2834

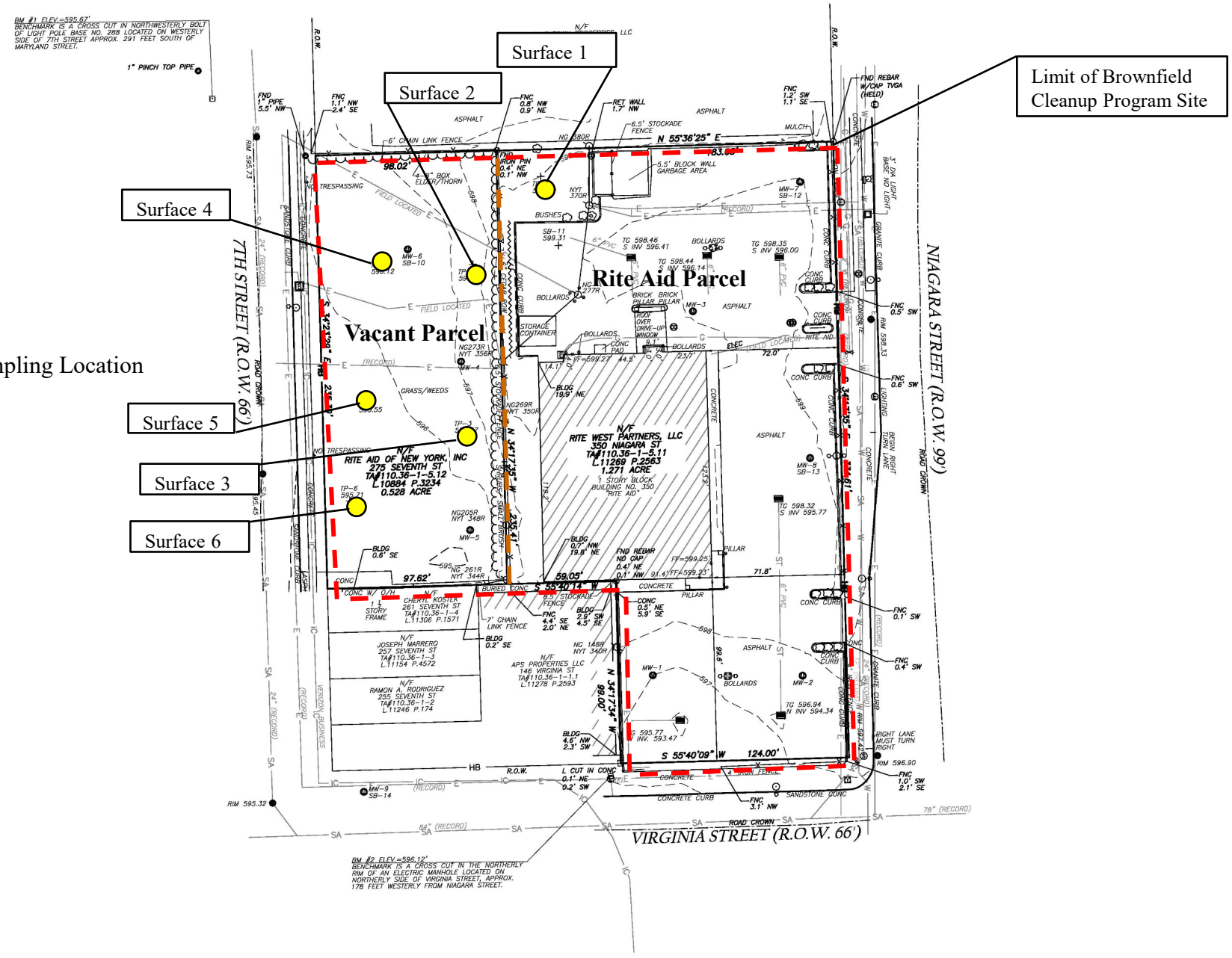
Project: 855.002
Date: 6/20/2023
Scale: Not to Scale

Drawn: PVS
Checked: BWA
File Name: Leader SI Sampling Locations

Figure 4

North

Surface 1= R1 Surface Soil Sampling Location



Title	R1 Surface Soil Sampling Locations Rite Aid - 350 Niagara Street Site #C915297 Buffalo, New York
Prepared For	Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania

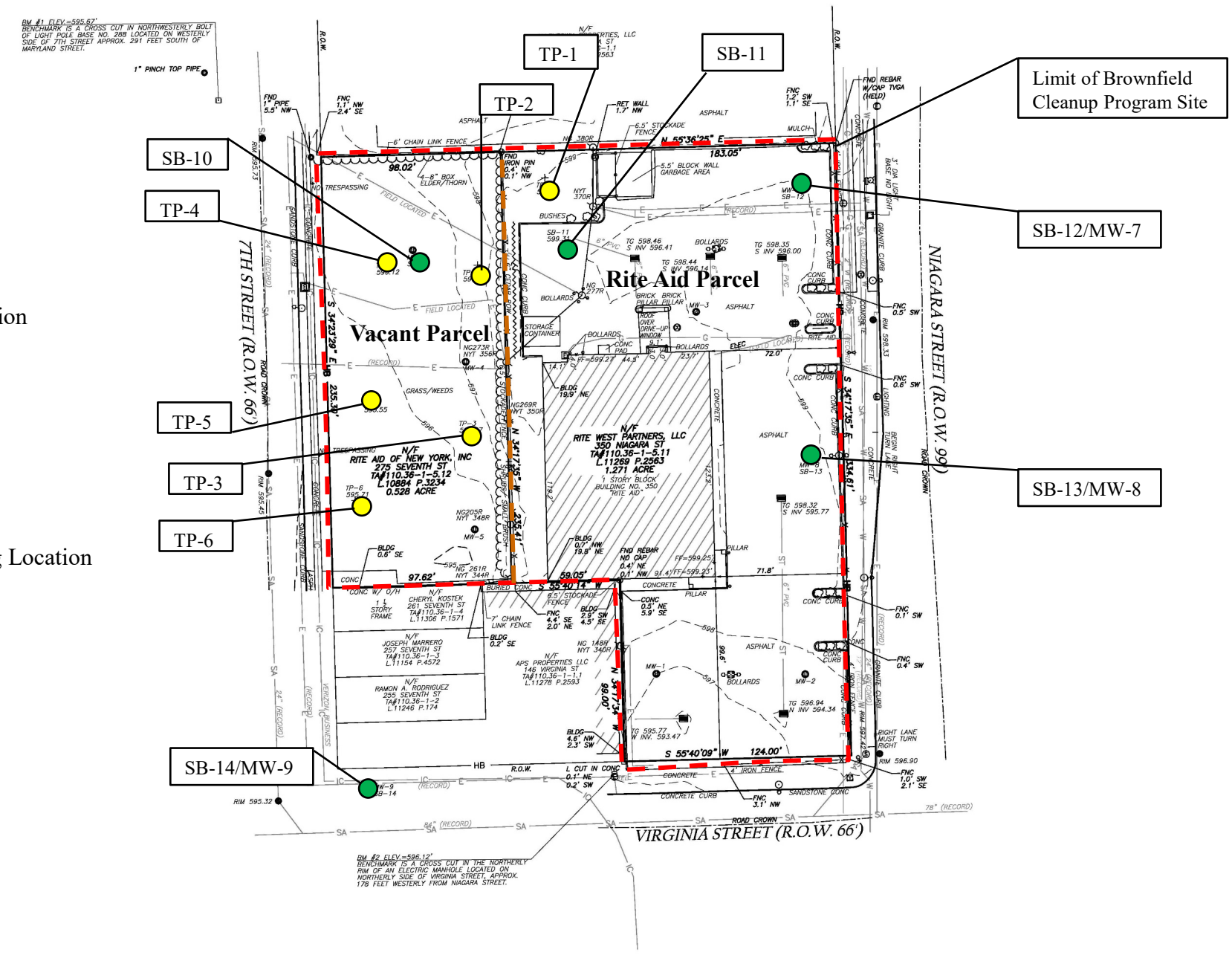
Leader Professional Services, Inc
271 Marsh Road-Suite 2
Pittsford, New York 14534
(585) 248-2413
FAX (585) 248-2834

Project	855.002
Date	6/20/2023
Scale	1" = 220 ft.
Drawn	PVS/SF
Checked	BWA
File Name	R1 Surface Soil Sample Locations
Figure	5

North

TP-1 = R1 Test Pit Location

SB-10 = R1 Soil Boring Location



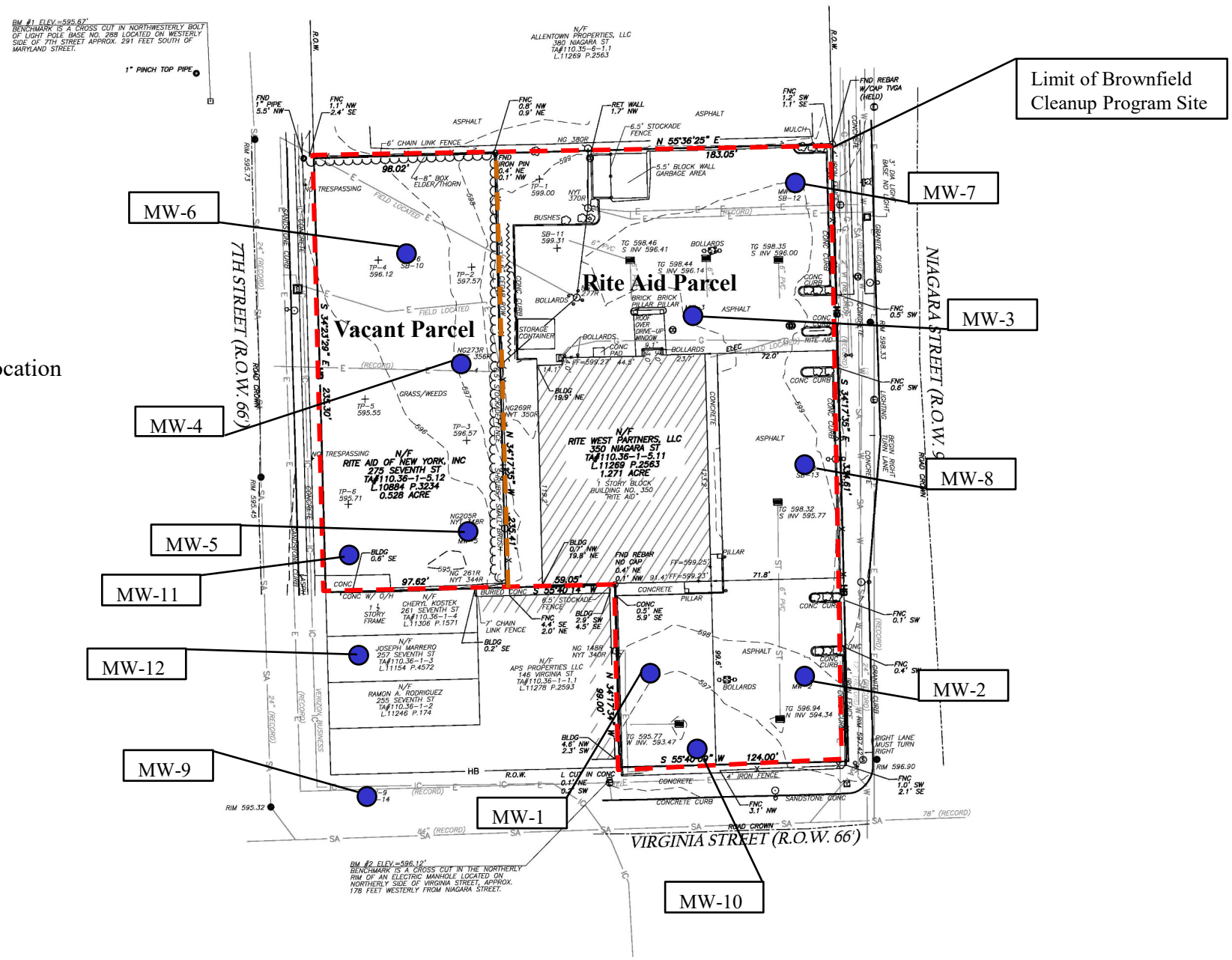
Title	R1 Subsurface Sampling Locations Rite Aid - 350 Niagara Street Site #C915297 Buffalo, New York
Prepared For	Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania

Leader Professional Services, Inc
271 Marsh Road-Suite 2
Pittsford, New York 14534
(585) 248-2413
FAX (585) 248-2834

Project	855.002
Date	6/22/2023
Scale	1" = 220 ft.
Drawn	PVS/SF
Checked	BWA
File Name	R1 Subsurface Sampling Locations
Figure	6

North

MW 1 = R1 Monitoring Well Location



Title	R1 Monitoring Well Locations Rite Aid - 350 Niagara Street Site #C915297 Buffalo, New York
Prepared For	Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania 17011

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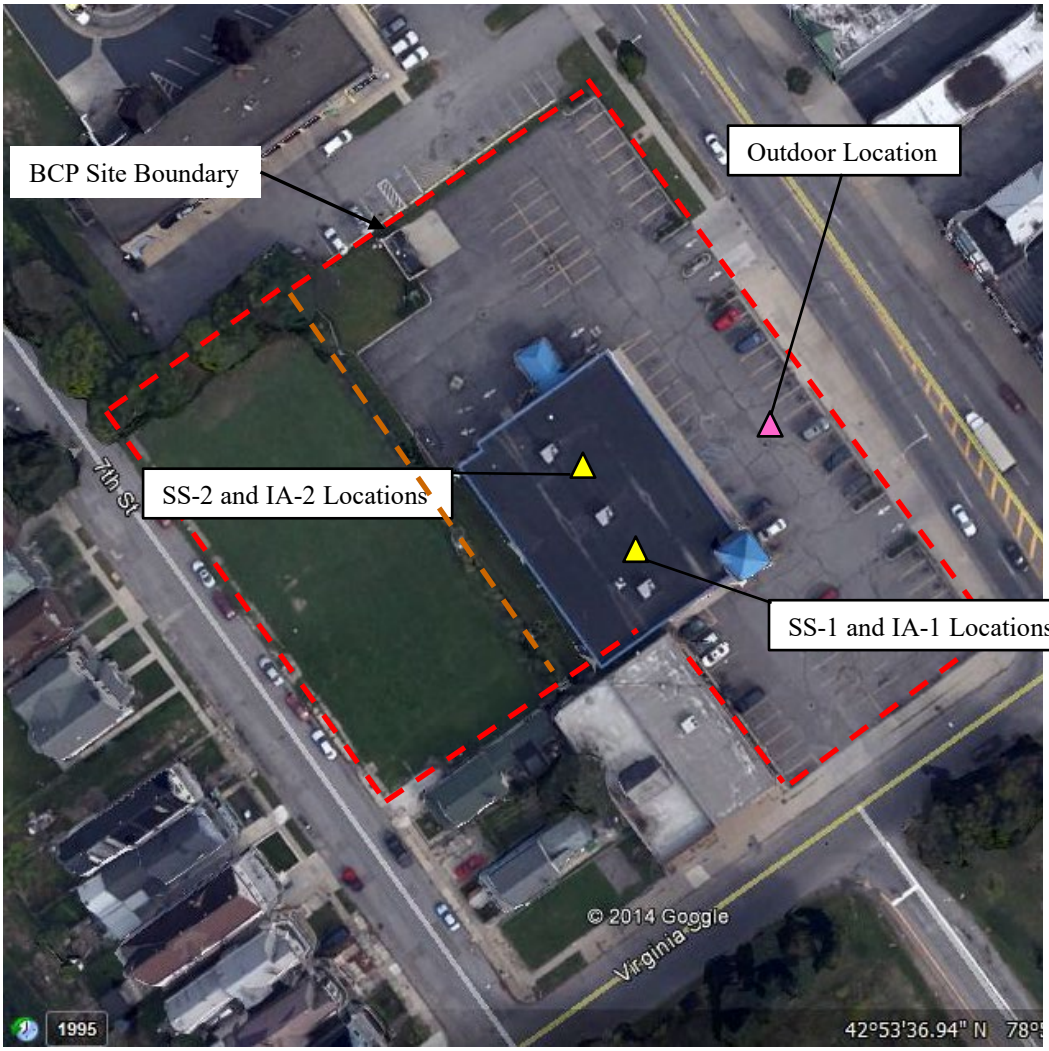
Project	855.002
Date	6/22/2023
Scale	1" = 220 ft.
Drawn	PVS/SF
Checked	BWA
File Name	R1 Monitoring Well Locations
Figure	7

NORTH

Approximate Boundary

SS-1 Sub-slab and IA-1 Indoor Air Sampling Location

Ambient Air Sample Location



Title	R1 Sub-slab and Indoor Air Sampling Locations Rite Aid - 350 Niagara Street Site #C915297 Buffalo, New York
Prepared For	Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania 17011

Leader

Leader Professional Services
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Project	855.002
Date	6/28/2023
Scale	Not to Scale
Drawn	PVS/SF
Checked	BWA
File Name	R1 Sampling Locations
Figure	8

North

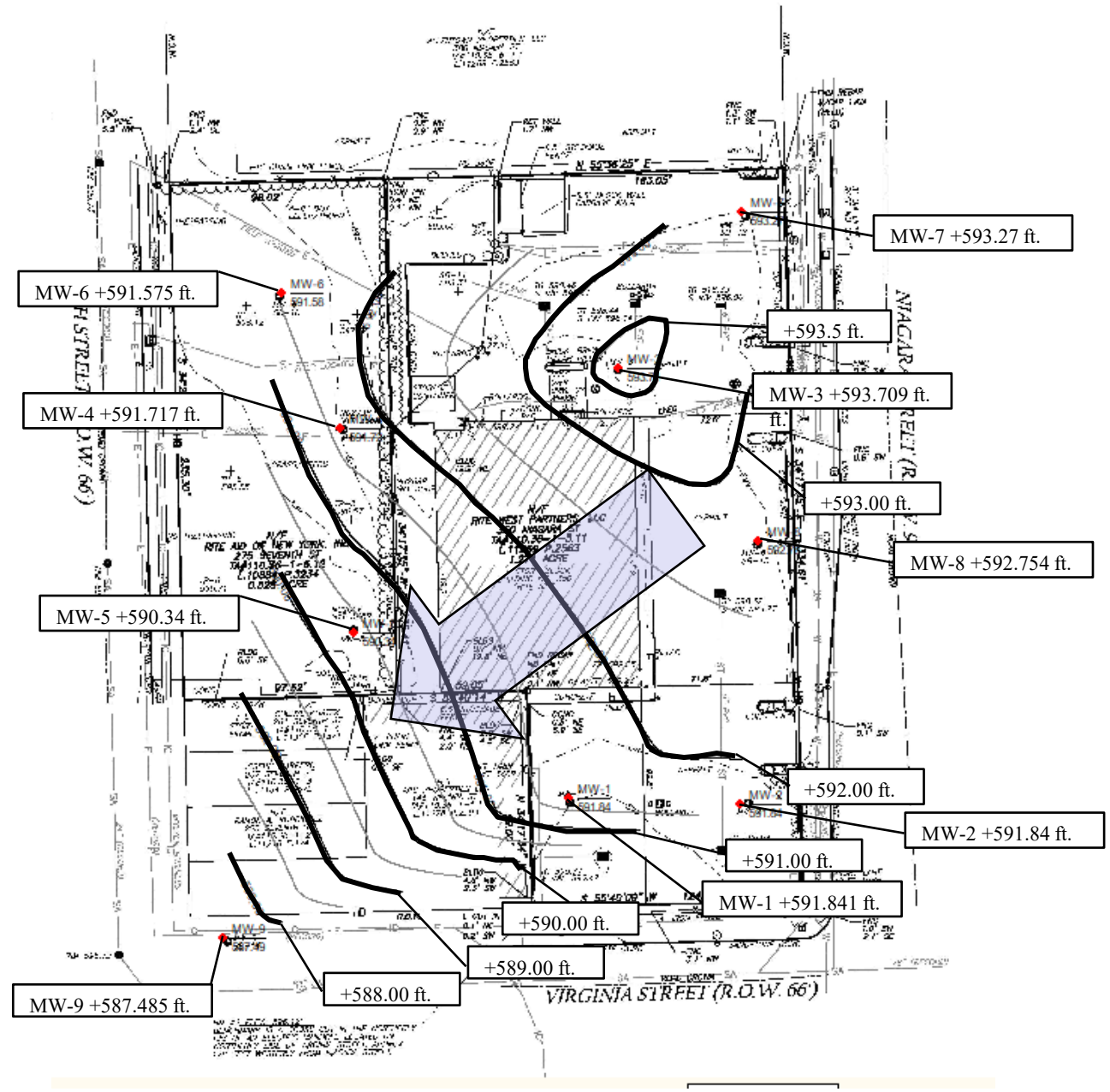
MW 1= Monitoring Well Location

Groundwater Elevation Contour Line

+590.34 ft. Elevation in feet based on North American Vertical Datum 1988

Direction of Groundwater Flow

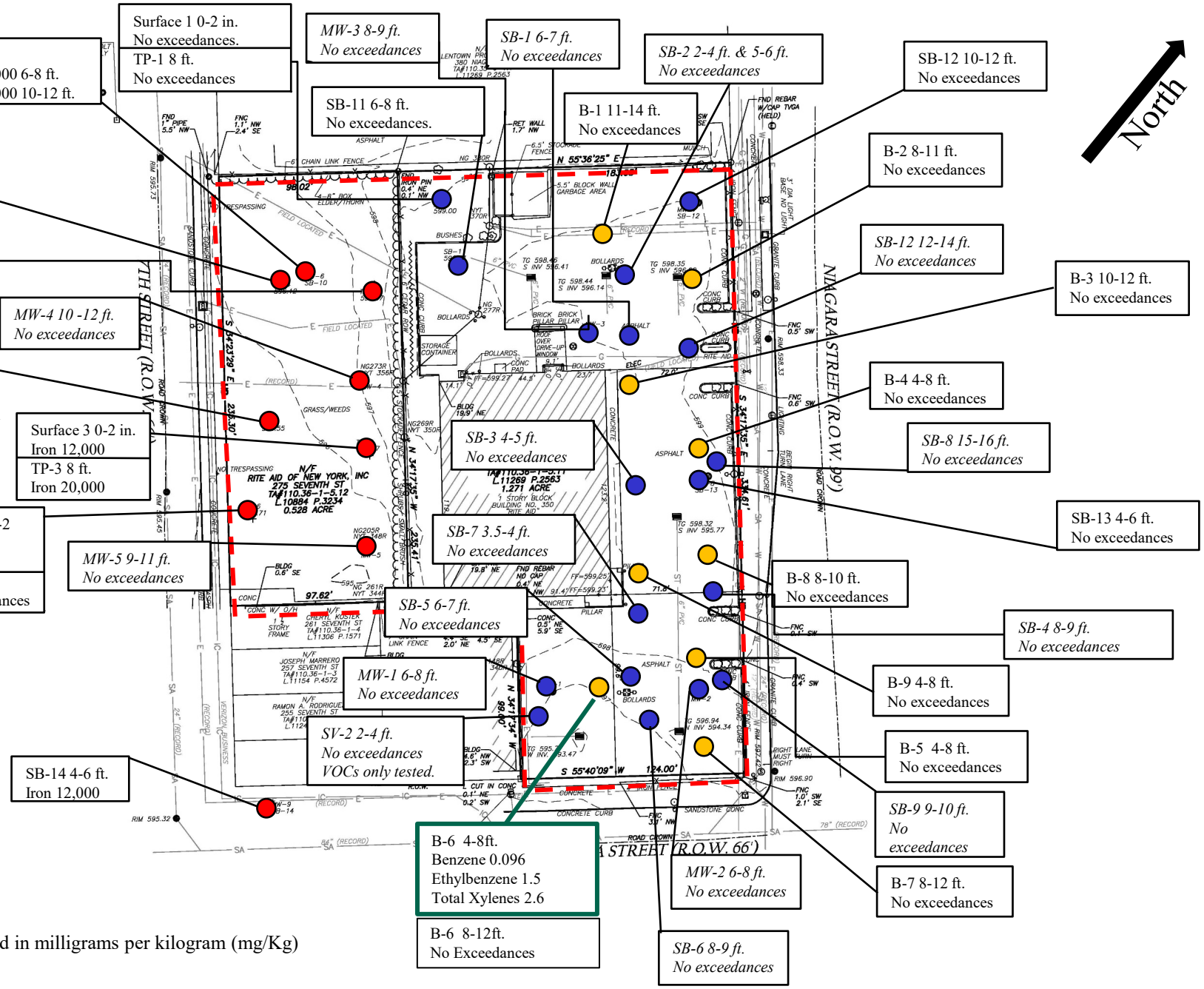
Gauging of MWs conducted April 17, 2017



Title	Direction of Groundwater Flow – April 2017 Rite Aid - 350 Niagara Street Site #C915297 Buffalo, New York
Prepared For	Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania 17011

Leader Professional Services, Inc
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Project	855.002
Date	6/29/2023
Scale	1” = 220 ft.
Drawn	PVS/SF
Checked	BWA
File Name	Direction of Groundwater Flow April 2017
Figure	9



Compounds found in soil samples in excess of groundwater protection SCO and in groundwater samples

Samples where exceedances were identified for compounds other than iron.

MW-1 or SB-1 = Leader Phase II Results Compared to Restricted Use Commercial SCO

Surface 1, TP-1 or SB-1 = Leader RI Results Compared to Restricted Use Commercial SCO

B-1= AEI Consultants 2014 Phase II Results Compared to Restricted Use Commercial SCO

Surface 1, TP-1, or SB-1 = Leader RI Results Compared to Residential Use SCO

MW-1 or SB-1 = Leader Phase II Results Compared to Residential Use SCO

Results reported in milligrams per kilogram (mg/Kg)

Title	Soil Impacts Rite Aid - 350 Niagara Street Site #C915297 Buffalo, New York
Prepared For	Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania 17011

Leader Professional Services, Inc
271 Marsh Road-Suite 2
Pittsford, New York 14534
(585) 248-2413
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Project	855.002
Date	6/30/2023
Scale	1" = 220 ft.
Drawn	PVS/SF
Checked	BWA
File Name	Soil Impacts
Figure	10

North

MW 1= Leader Groundwater Result

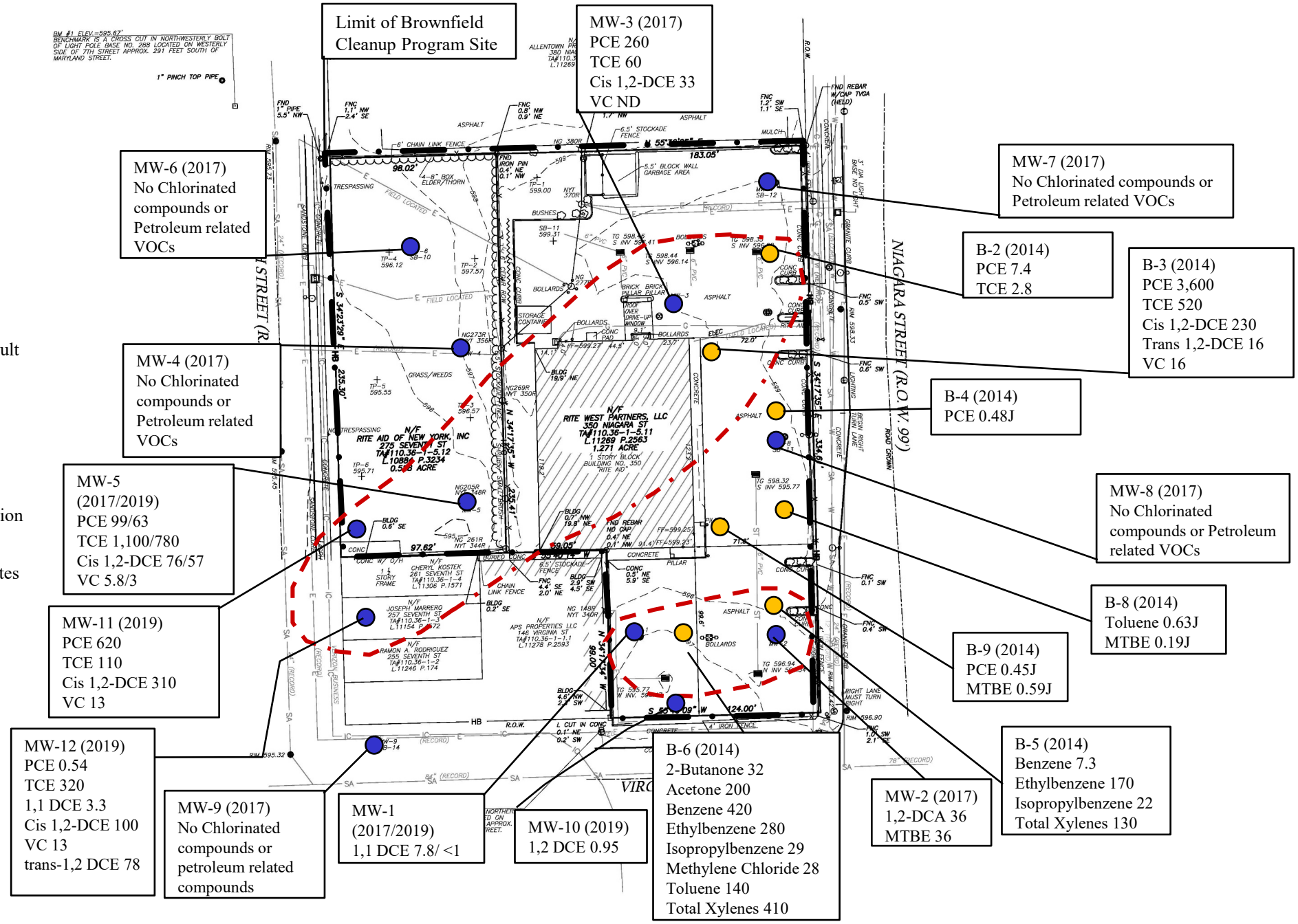
B-1= AEI Consultants 2014 Phase II Groundwater Result

Possible Limits of Contamination

(2017/2019) Identification of Sampling Dates

Key:
ND = Not Detected
J = Compound found at a concentration below the RL and above the method detection limit.
PCE = Tetrachloroethene
TCE = Trichloroethene
CIS 1,2 DCE = cis 1,2-dichloroethene
VC = Vinyl Chloride
1,2 DCA = Trans 1,2-dichloroethene
MtBE = Methyl tert-Butyl Ether

Results are measured in micrograms per liter (ug/L).



Title	Groundwater Impacts from Selected Volatile Organic Compounds Rite Aid - 350 Niagara Street Site #C915297 Buffalo, New York
Prepared For	Rite Aid of New York, Inc. 30 Hunter Lane Camp Hill, Pennsylvania 17011

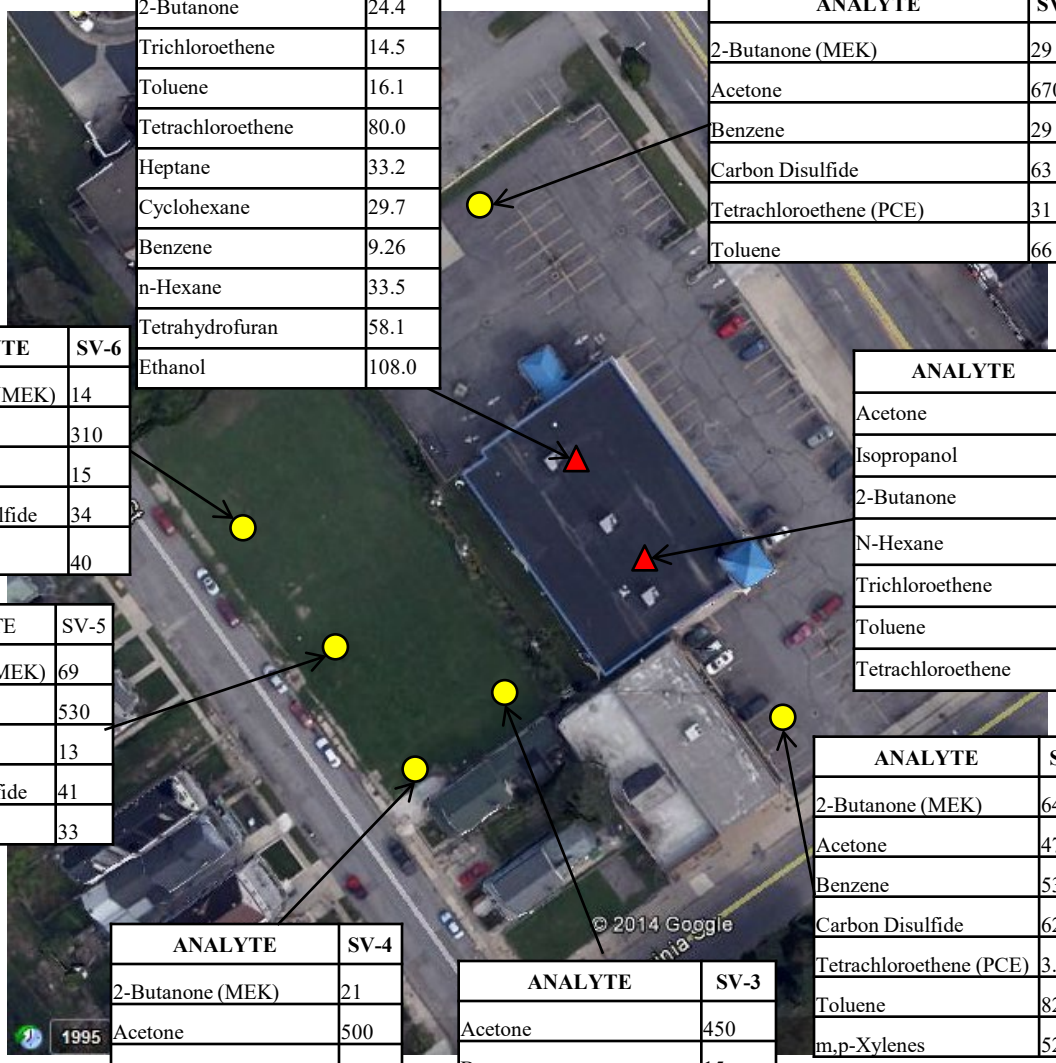
Leader Professional Services, Inc
271 Marsh Road-Suite 2
Pittsford, New York 14534
(585) 248-2413
FAX (585) 248-2834

Project	855.002
Date	6/30/2023
Scale	1" = 220 ft.
Drawn	PVS/SF
Checked	BWA
File Name	Groundwater Impacts from Selected VOCs
Figure	11

▲ R1 Sub-slab Soil Vapor Location (3/27/2017)

● Approximate Soil Vapor Probe Location (7/15/2014)

NORTH



ANALYTE	SS-2
Acetone	122.0
Isopropanol	21.4
2-Butanone	24.4
Trichloroethene	14.5
Toluene	16.1
Tetrachloroethene	80.0
Heptane	33.2
Cyclohexane	29.7
Benzene	9.26
n-Hexane	33.5
Tetrahydrofuran	58.1
Ethanol	108.0

ANALYTE	SV-1
2-Butanone (MEK)	29
Acetone	670
Benzene	29
Carbon Disulfide	63
Tetrachloroethene (PCE)	31
Toluene	66

ANALYTE	SV-6
2-Butanone (MEK)	14
Acetone	310
Benzene	15
Carbon Disulfide	34
Toluene	40

ANALYTE	SS-1
Acetone	70.6
Isopropanol	15.3
2-Butanone	17.9
N-Hexane	8.26
Trichloroethene	221
Toluene	8.4
Tetrachloroethene	136

ANALYTE	SV-5
2-Butanone (MEK)	69
Acetone	530
Benzene	13
Carbon Disulfide	41
Toluene	33

ANALYTE	SV-2
2-Butanone (MEK)	64
Acetone	470
Benzene	53
Carbon Disulfide	62
Tetrachloroethene (PCE)	3.2
Toluene	82
m,p-Xylenes	52

ANALYTE	SV-4
2-Butanone (MEK)	21
Acetone	500
Benzene	49
Carbon Disulfide	250
Tetrachloroethene (PCE)	96
Toluene	92
Trichloroethene (TCE)	2.7

ANALYTE	SV-3
Acetone	450
Benzene	15
Carbon Disulfide	13
Chloroform	20
Tetrachloroethene (PCE)	17
Toluene	35

*Results reported in µg/m3

Title: Soil Vapor and Sub-slab Results
Rite Aid - 350 Niagara Street
Site #C915297
Buffalo, New York

Prepared For: Rite Aid of New York
30 Hunter Lane
Camp Hill, Pennsylvania 17011

Leader Professional Services
271 Marsh Road, Suite 2
Pittsford, NY 14534
(585) 248-2413
FAX (585) 248-2834

Project: 855.001
Date: 6/30/2023
Scale: Not to Scale

Drawn: PVS
Checked: BWA
File Name: Soil Vapor & Sub-slab Results

Figure 12

TABLES

TABLE 1
AEI Phase II Site Investigation Soil Sample Results
Rite Aid, 350 Niagara Street, Buffalo, New York

ANALYTE	UNITS	CSCO	B-1	B-2	B-3	B-4	B-5	B-6	B-6	B-7	B-8	B-9
			11' - 14'	8' - 11'	10' - 12'	4' - 8'	4' - 8'	4' - 8'	8' - 12'	8' - 12'	8' - 10'	4' - 8'
			12/28/2013	12/28/2013	12/27/2013	12/27/2013	12/28/2013	12/28/2013	12/28/2013	12/28/2013	12/27/2013	12/27/2013
Metals												
Arsenic	mg/Kg dry	16	2.9	2.2	3.1	2.0	3.2	2.0	2.4	2.3	NA	NA
Barium	mg/Kg dry	400	66 B	48.8 B	63.8 B	23.6 B	62 B	58.5 B	16 JB	48.1 B	NA	NA
Cadmium	mg/Kg dry	9.3	0.25 J	0.21 J	0.25 J	0.22 J	0.22 J	0.21 J	0.23 J	0.19 J	NA	NA
Chromium, Total	mg/Kg dry	400	12.7	9.4	12.2	13.4	13.4	12.8	5.0	12.1	NA	NA
Lead	mg/Kg dry	1000	14.8	10.6	12.9	14.3	14.3	12.1	6.8	10.6	NA	NA
Mercury	mg/Kg dry	2.8	ND	ND	ND	ND	ND	0.023 J	ND	0.023 J	NA	NA
Silver	mg/Kg dry	1500	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Selenium	mg/Kg dry	1500	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Volatile Organic Compounds												
1,2 Dichloroethane	ug/Kg-dry	30,000	ND	ND	0.28 J	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/Kg-dry	500,000	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND
Benzene	ug/Kg-dry	44,000	ND	ND	ND	ND	45 J	96 J	ND	ND	ND	ND
Chlorobenzene	ug/Kg-dry	500,000	ND	ND	2.3 J	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/Kg-dry	500,000	ND	ND	22	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ug/Kg-dry	NS	ND	ND	8.9	ND	1,100	5,600	ND	0.45 J	ND	ND
Ethylbenzene	ug/Kg-dry	390,000	ND	ND	ND	ND	340	1,500	ND	0.35 J	ND	ND
Isopropylbenzene	ug/Kg-dry	NS	ND	ND	ND	ND	200	520	ND	ND	ND	ND
Methyl tert-butyl ether	ug/Kg-dry	500,000	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	ND
Methylcyclohexane	ug/Kg-dry	NS	ND	ND	1.7 J	ND	3,300	13,000	ND	0.64 J	ND	ND
Tetrachloroethylene	ug/Kg-dry	150,000	ND	3.2	800	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/Kg-dry	500,000	ND	ND	ND	ND	ND	160 J	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/Kg-dry	500,000	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/Kg-dry	200,000	ND	0.84 J	58	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ug/Kg-dry	13,000	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/Kg-dry	500,000	ND	ND	ND	ND	ND	2,600	ND	ND	ND	ND
Petroleum Hydrocarbons												
Gasoline Range Organics [C6-C10]	ug/Kg dry	NS	ND	ND	ND	ND	74,000	ND	ND	ND	NA	NA
Diesel Range Organics [C10-C28]	mg/Kg dry	NS	ND	ND	ND	ND	17 J	ND	ND	ND	NA	NA

mg/Kg - milligrams per kilogram
NS - No Part 375 CSCO Standard exists
NA - Not Analyzed
ND - Not Detected at a concentration above the detection limit.
B - Compound also found in an associated blank sample.
J - The reported result is an estimate; the analyte was identified by the analysis, but at a concentration lower than the laboratory reporting limit.
CSCO - Part 375 Commercial Use Soil Cleanup Objective

TABLE 2
AEI Phase II Site Investigation Groundwater Sample Results
Rite Aid, 350 Niagara Street, Buffalo, New York

ANALYTE	UNITS	TOGS 1.1.1 GW STD or GV	B-1 12/27/2013	B-2 12/27/2013	B-3 12/27/2013	B-4 12/27/2013	B-5 12/28/2013	B-6 12/28/2013	B-7 12/28/2013	B-8 12/27/2013	B-9 12/27/2013
Metals											
Arsenic	ug/l	25	**60.1**	3.5	**232.0**	**38.9**	**39.0**	**222.0**	**348.0**	NA	NA
Barium	ug/l	1000	**1370**	223	**6530** B	899 B	**2530** B	**1610**	**2510**	NA	NA
Cadmium	ug/l	5	**6.3**	ND	**7.8**	**7.3**	2.8 J	**11.7**	**12.9**	NA	NA
Chromium, Total	ug/l	50	**202**	12.7	**426**	**161**	**229**	**301**	**560**	NA	NA
Lead	ug/l	25	**723**	**85.5**	**7120**	**254**	**1340**	**1860** ^	**34.8**	NA	NA
Silver	ug/l	50	ND	ND	7.7 J	ND	14.9	ND	**65500**	NA	NA
Selenium	ug/l	10	ND	ND	ND	ND	ND	ND	**23**	NA	NA
Mercury	ug/l	0.7	**1.3**	0.22	**12.0**	0.18 J	**3.0**	**3.0**	**40.0**	NA	NA
Volatile Organic Compounds											
1,1-Dichloroethene	ug/l	5	ND	ND	1.8	ND	ND	ND	ND	ND	ND
1,2 Dichloroethane	ug/l	0.6	ND	ND	**2.6**	ND	ND	ND	ND	ND	ND
2-Butanone	ug/l	50	ND	1.7	ND	ND	ND	32	ND	ND	ND
Acetone	ug/l	50	3.3	14	10	3.3	ND	**200**	3.8 J	3.5 J	ND
Benzene	ug/l	1	ND	ND	**1.3**	ND	**7.3**	**420**	ND	ND	ND
Carbon Disulfide	ug/l	NS	0.21	0.30	ND	ND	ND	ND	0.92 J	ND	ND
Chlorobenzene	ug/l	5	ND	ND	**11**	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/l	5	ND	ND	**230**	ND	ND	ND	ND	ND	ND
Cyclohexane	ug/l	NS	ND	ND	19	ND	62	260	0.75 J	ND	ND
Ethylbenzene	ug/l	5	ND	ND	ND	ND	**170**	**280**	ND	ND	ND
Isopropylbenzene	ug/l	5	ND	ND	ND	ND	**22**	**29**	ND	ND	ND
Methyl tert-butyl ether	ug/l	NS	ND	ND	ND	ND	ND	ND	ND	0.19 J	0.59 J
Methylcyclohexane	ug/l	NS	0.88	ND	2.4	0.42	110	190	0.84 J	0.25 J	0.34 J
Methylene Chloride	ug/l	5	ND	ND	ND	ND	ND	**28**	ND	ND	ND
Tetrachloroethylene	ug/l	5	ND	**7.4**	**3600**	0.48	ND	ND	ND	ND	0.45 J
Toluene	ug/l	5	0.92	ND	0.58	ND	ND	**140**	ND	0.63 J	ND
trans-1,2-Dichloroethene	ug/l	5	ND	ND	**16**	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/l	5	ND	2.8	**520**	ND	ND	ND	ND	ND	ND
Vinyl chloride	ug/l	2	ND	ND	**16**	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/l	5	1.1	ND	1.1	ND	**130**	**410**	ND	ND	ND
Petroleum Hydrocarbons											
Gasoline Range Organics [C6-C10]	ug/l	NS	28	27	950	ND	2,200	4,200	41	NA	NA
Diesel Range Organics [C10-C28]	ug/l	NS	1,400	990	1800	280 J	4300	1300	5600	NA	NA

Notes:
ug/L = micrograms per liter
NS = No Standard
NA = Not Analyzed
ND = Not Detected
Bold = Greater than NYSDEC TOGS 1.1.1 standard (STD) or guidance value (GV) for groundwater
J = Compound was identified by analysis, but at a concentration lower than the laboratory reporting limit.
B = Compound also found in an associated blank sample
^ = ICV, CCV, ICB, CCB, ISA, ISB, CRI, CRA, DLCK, or MRL standard: Instrument related QC exceeds the control limits

TABLE 3
Leader Phase II Soil Sample Results
Rite Aid, 350 Niagara Street, Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 SCOs for Commercial Property (CSCOs)	NYSDEC Part 375 SCOs for Residential Property (RSCOs)	SB-1 6' - 7'	SB-2 5' - 6'	SB-2 2' - 4'	SB-3 4' - 5'	SB-4 8' - 9'	SB-5 6' - 7'	SB-6 8' - 9'	SB-7 3.5' - 4'	SB-8 15' - 16'	SB-9 9' - 10'	SB-12 12' - 14'	SV-4 4'	MW-5 9' - 11'	MW-4 10' - 12'	MW-3 8' - 9'	MW-2 6' - 8'	MW-1 6' - 8'
					Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel	Vacant Parcel	Vacant Parcel	Rite Aid Parcel	Rite Aid Parcel	Rite Aid Parcel
Solids, Total	Percent				85.3	83.9	84.9	82.7	83.1	82.8	83.2	81.8	83.2	85.2	85	80.6	83.5	84.5	82.9	84.4	85
Metals																					
Aluminum, Total	mg/Kg dry	NS	NS	NS	8970	NA	11700	12900	5110	9710	12400	10400	NA	12600	3650	NA	4290	NA	NA	5930	21900
Arsenic, Total	mg/Kg dry	NS	16	16	4	NA	5.4	3.4	2.4	3.5	3.7	3.9	NA	4.9	1.7	NA	2.1	NA	NA	4	3.4
Barium, Total	mg/Kg dry	NS	400	350	68.7	NA	112	74.4	30.9	73	95.1	85	NA	93.4	56.9	NA	24.3	NA	NA	72.4	129
Beryllium, Total	mg/Kg dry	NS	590	14	0.44	NA	0.63	0.7	<0.35	0.48	0.61	0.51	NA	0.62	<0.34	NA	<0.36	NA	NA	<0.35	0.78
Calcium, Total	mg/Kg dry	NS	NS	NS	80800	NA	48800	2280	72300	67100	70900	3820	NA	73600	86400	NA	61200	NA	NA	70100	43400
Cobalt, Total	mg/Kg dry	30*	NS	NS	6.6	NA	9.1	9.5	<5.8	7.1	8.7	7.3	NA	9.6	<5.6	NA	<6.0	NA	NA	<5.8	13
Chromium, Total	mg/Kg dry	NS	1500	36	13.3	NA	19.3	15.7	8.7	13.4	17.1	12.9	NA	17.4	6.7	NA	6.7	NA	NA	9.3	24.1
Copper, Total	mg/Kg dry	NS	270	270	14.8	NA	26.2	8.6	8.7	13.9	19	14.6	NA	19.1	8.3	NA	8.5	NA	NA	36.7	19.7
Iron, Total	mg/Kg dry	2,000*	NS	NS	17700	NA	22300	16900	10700	18100	22500	17200	NA	24200	9140	NA	10000	NA	NA	8970	24200
Potassium, Total	mg/Kg dry	NS	NS	NS	1880	NA	1910	1350	1040	2200	2650	1320	NA	2700	880	NA	770	NA	NA	1130	2680
Magnesium, Total	mg/Kg dry	NS	NS	NS	27700	NA	15400	2880	27800	17400	23400	3090	NA	22100	20800	NA	23500	NA	NA	15700	19400
Manganese, Total	mg/Kg dry	NS	10,000	2000	440	NA	614	384	370	558	481	207	NA	467	275	NA	272	NA	NA	311	500
Sodium, Total	mg/Kg dry	NS	NS	NS	380	NA	640	800	460	150	870	2040	NA	670	220	NA	140	NA	NA	350	360
Nickel, Total	mg/Kg dry	NS	310	140	14	NA	18.6	11.9	7.9	15.4	18.7	12	NA	19.7	6	NA	5.8	NA	NA	11.8	25.2
Lead, Total	mg/Kg dry	NS	1,000	400	13.4	NA	90.9	26	8.8	10.9	14.3	75.6	NA	13.9	9	NA	8.4	NA	NA	133	14
Selenium, Total	mg/Kg dry	NS	1,500	36	<1.1	NA	<1.2	<1.2	<1.2	<1.2	<1.1	<1.2	NA	<1.1	<1.1	NA	<1.2	NA	NA	1.4	<1.1
Vanadium, Total	mg/Kg dry	100*	NS	NS	18.6	NA	23.5	25.8	12	18.2	24.2	21.5	NA	24.2	10.8	NA	13	NA	NA	12	30.6
Zinc, Total	mg/Kg dry	NS	10,000	2,200	61.4	NA	101	65.1	53.3	52.2	66	74.5	NA	67.4	192	NA	45.2	NA	NA	153	87.7
Chromium, Hexavalent	mg/Kg dry	NS	400	22	<0.45	NA	<0.47	1.12	0.5	0.48	<0.47	0.61	NA	<0.46	<0.46	NA	<0.46	NA	NA	<0.46	<0.47
Mercury, Total	mg/Kg dry	NS	2.8	0.81	<0.039	NA	0.491	0.082	<0.039	<0.037	<0.040	0.344	NA	0.042	<0.037	NA	<0.038	NA	NA	0.126	<0.036
Volatile Organic Compounds																					
2 Butanone (MEK)	ug/Kg dry	100,000*	500,000	100,000	<5.9	14	NA	41	<6.0	<6.0	<6.0	<6.1	<6.0	<5.9	<5.9	6.8	<6.0	<5.9	7.2	<5.9	<780
Acetone	ug/Kg dry	NS	500,000	100,000	10	68	NA	130	<6.0	44	11	7.3	<6.0	<5.9	<5.9	20	<6.0	<5.9	13	10	<780
Cyclohexane	ug/Kg dry	NS	NS	NS	<5.9	<6.0	NA	<6.0	<6.0	37	<6.0	<6.1	<6.0	<5.9	<5.9	<6.2	<6.0	<5.9	<6.0	<5.9	<160
Ethylbenzene	ug/Kg dry	700	390,000	30,000	<5.9	<6.0	NA	<6.0	<6.0	<6.0	<6.0	<6.1	<6.0	<5.9	<5.9	<6.2	<6.0	<5.9	6.7	<5.9	<160
Methylcyclohexane	ug/Kg dry	NS	NS	NS	<5.9	<6.0	NA	<6.0	<6.0	16	<6.0	<6.1	<6.0	<5.9	<5.9	<6.2	<6.0	<5.9	<6.0	<5.9	740
Semivolatile Organic Compounds																					
Acenaphthene	ug/Kg dry	20,000	500,000	100,000	<7.7	120	NA	<40	<7.9	<80	<7.9	<8.1	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	<63	<7.8
Acenaphthylene	ug/Kg dry	100,000	500,000	100,000	<7.7	140	NA	<40	<7.9	<80	<7.9	<8.1	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	<63	<7.8
Anthracene	ug/Kg dry	100,000	500,000	100,000	<7.7	550	NA	<40	<7.9	<80	<7.9	<8.1	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	140	<7.8
Benz(a)anthracene	ug/Kg dry	1,000	5,600	1,000	<7.7	1200	NA	160	<7.9	<80	<7.9	9	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	340	<7.8
Benzo(a)pyrene	ug/Kg dry	1,000	1,000	1,000	<7.7	930	NA	120	<7.9	<80	<7.9	<8.1	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	270	<7.8
Benzo(b)fluoranthene	ug/Kg dry	1,000	5,600	1,000	<7.7	820	NA	210	<7.9	<80	<7.9	8.6	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	250	<7.8
Benzo(g,h,i)perylene	ug/Kg dry	100,000	500,000	100,000	<7.7	530	NA	140	<7.9	<80	<7.9	<8.1	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	160	<7.8
Benzo(k)fluoranthene	ug/Kg dry	800	56,000	1,000	<7.7	750	NA	190	<7.9	<80	<7.9	<8.1	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	270	<7.8
Chrysene	ug/Kg dry	1,000	56,000	1,000	<7.7	1100	NA	270	<7.9	93	<7.9	11	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	310	<7.8
Dibenz(a,h)anthracene	ug/Kg dry	330	560	330	<7.7	170	NA	<40	<7.9	<80	<7.9	<8.1	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	<63	<7.8
Fluoranthene	ug/Kg dry	100,000	500,000	100,000	17	3000	NA	550	13	<80	<7.9	17	NA	13	<7.8	NA	<7.9	<7.8	<8.0	1000	14
Fluorene	ug/Kg dry	30,000	500,000	100,000	<7.7	230	NA	<40	<7.9	<80	<7.9	<8.1	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	<63	<7.8
Indeno(1,2,3 cd)pyrene	ug/Kg dry	500	5,600	500	<7.7	500	NA	110	<7.9	<80	<7.9	<8.1	NA	<7.7	<7.8	NA	<7.9	<7.8	<8.0	150	<7.8
Naphthalene	ug/Kg dry	12,000	500,000	100,000	<7.7	<63	NA	<40	<7.9	<80	18	<8.1	NA	9	<7.8	NA	<7.9	<7.8	25	<63	<7.8
Phenanthrene	ug/Kg dry	100,000	500,000	100,000	<7.7	2100	NA	87	11	<80	8.4	14	NA	8.6	<7.8	NA	<7.9	<7.8	<8.0	350	18
Pyrene	ug/Kg dry	100,000	500,000	100,000	16	2300	NA	430	9.6	<80	<7.9	15	NA	8.2	<7.8	NA	<7.9	<7.8	<8.0	700	9.8

Notes:
< = less than the reporting limit shown
NS = No Standard
NA = Not Analyzed
*** = Residential Value**
Cleanup values for Chromium are shown as hexavalent/trivalent compounds

TABLE 4
Leader Phase II Soil Vapor Sample Results
Rite Aid, 350 Niagara Street, Buffalo, New York

ANALYTE	UNITS	AMB 1	SV 1	SV 2	SV 3	SV 4	SV 5	SV 6
1,1,2 Trichloro 1,2,2 trifluoroethane	ug/m3	0.59	<1.2	<0.98	<1.1	<1.2	<1.2	<0.77
2 Butanone (MEK)	ug/m3	0.95 J	29	64	11 J	21	69	14
2 Hexanone	ug/m3	0.042 J	6.6 J	<0.36	2.1 J	<0.41	3.4 J	<0.28
Acetone	ug/m3	6.9 J	670	470	450	500	530	310
Benzene	ug/m3	0.47 J	29	53	15	49	13	15
Carbon Disulfide	ug/m3	0.051 BJ	63	62	13	250	41	34
Carbon Tetrachloride	ug/m3	0.48	<0.88	<0.76	<0.84	<0.87	<0.92	<0.60
Chloroform	ug/m3	0.10 J	4.4 J	<0.68	20	2.9 J	8.6 J	1.7 J
Chloromethane	ug/m3	1.1	1.9 J	4.6 J	<0.28	<0.29	1.3 J	0.80 J
Ethylbenzene	ug/m3	0.14 J	8.1 J	11 J	6.5 J	8.3 J	5.3 J	5.6 J
Methyl tert Butyl Ether	ug/m3	<0.017	<0.30	<0.26	<0.28	4.9 J	<0.31	<0.20
Methylene Chloride	ug/m3	0.32 J	<0.56	<0.48	<0.53	<0.55	<0.58	<0.38
Tetrachloroethene (PCE)	ug/m3	0.047 J	31	3.2	17	96	0.92 J	<0.56
Toluene	ug/m3	0.81	66	82	35	92	33	40
Trichloroethene (TCE)	ug/m3	<0.039	<0.71	<0.61	<0.67	2.7	<0.73	<0.48
Trichlorofluoromethane (CFC 11)	ug/m3	1.3	1.6 J	1.9 J	1.9 J	1.8 J	1.6 J	1.4 J
m,p Xylenes	ug/m3	0.35 J	42 J	52	28 J	30 J	21 J	21 J
o Xylene	ug/m3	0.14 J	11 J	15 J	9.9 J	9.4 J	6.0 J	5.8 J

Notes:
ug/m^3 = micrograms per cubic meter.
< = less than the reporting limit.
J = Estimated concentration, concentration is below the reporting limit.
Sample Date = 7/15/2014

TABLE 5
Leader Phase II Groundwater Results
Rite Aid, 350 Niagara Street, Buffalo, New York

ANALYTE	TOGS 1.1.1 STD or GV	Units	MW-1	MW-2	MW-3	MW-4	MW-5
Metals							
Aluminum, Total	-	ug/L	790	<100	<100	2,300	<100
Barium, Total	1,000	ug/L	90	47	44	54	66
Calcium, Total	-	ug/L	163,000	176,000	183,000	228,000	126,000
Iron, Total	300	ug/L	790	160	590	2,230	<100
Potassium, Total	-	ug/L	8,000	7,800	6,100	4,400	3,300
Magnesium, Total	35,000	ug/L	67,500	84,000	150,000	95,600	55,100
Manganese, Total	300	ug/L	749	666	212	640	453
Sodium, Total	20,000	ug/L	167,000	173,000	154,000	46,100	34,300
Zinc, Total	5,000	ug/L	<20	<20	<20	23	<20
Volatile Organic Compounds							
1,1 Dichloroethane (1,1 DCA)	5	ug/L	9.5	<1.0	<1.0	<1.0	<1.0
1,1 Dichloroethene (1,1 DCE)	5	ug/L	<1.0	<1.0	<1.0	<1.0	1.5
1,2 Dichloroethane	0.6	ug/L	<1.0	29	<1.0	<1.0	<1.0
Acetone	50	ug/L	11	15	<5.0	6.1	5.3
Benzene	1	ug/L	<1.0	8.8	<1.0	<1.0	<1.0
Carbon Disulfide	-	ug/L	1.3	1.6	2.3	2	1.2
Cyclohexane	-	ug/L	6.3	14	<1.0	<1.0	<1.0
Ethylbenzene	5	ug/L	1.7	9.7	<1.0	<1.0	<1.0
Isopropylbenzene (Cumene)	5	ug/L	<1.0	1.1	<1.0	<1.0	<1.0
Methyl tert Butyl Ether	10	ug/L	3.1	14	<1.0	<1.0	<1.0
Methylcyclohexane	-	ug/L	11	18	<1.0	<1.0	<1.0
Tetrachloroethene (PCE)	5	ug/L	<1.0	<1.0	220	<1.0	100
Toluene	5	ug/L	<1.0	1.3	<1.0	<1.0	<1.0
Trichloroethene (TCE)	5	ug/L	<1.0	<1.0	38	<1.0	640 E
Vinyl Chloride	2	ug/L	<1.0	<1.0	2.7	<1.0	5.6
cis 1,2 Dichloroethene	5	ug/L	<1.0	<1.0	29	<1.0	63
m,p Xylenes	5	ug/L	<2.0	7.5	<2.0	<2.0	<2.0
trans 1,2 Dichloroethene	5	ug/L	<1.0	<1.0	1.2	<1.0	8
Semivolatile Organic Compounds							
Naphthalene	10	ug/L	<0.20	0.72	<0.20	<0.20	<0.20
Phenanthrene	50	ug/L	0.24	<0.20	0.52	0.43	0.47

Notes:
Shaded - Result exceeded the groundwater Standard (STD) or Guidance Value (GV)
"-" - indicates no STD or GV
ug/L - micrograms per liter
Results for MW-3 show the higher of the sample and its duplicate results.

TABLE 6
Remedial Investigation Sample Summary
Rite Aid, 350 Niagara Street, Buffalo, New York

Analysis	Surface Soil Samples	Sub-Surface Soil Samples	Groundwater Samples	Sub-Slab Vapor Samples	Indoor Air and Ambient Air Samples
TCL VOCs	0	8	16	2	3
TCL SVOCs	8	8	10	N/A	N/A
TAL Metals	8	8	10	N/A	N/A
Herbicides and Pesticides	8	8	10	N/A	N/A
PCBs	8	8	10	N/A	N/A

Notes:
TCL = USEPA Target Compound List
VOC = Volatile organic compounds
SVOC = Semivolatile organic compounds
TAL = USEPA Target Analyte List
PCBs = Polychlorinated biphenyls
N/A = Not applicable

TABLE 7
Remedial Investigation - Surface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

			SAMPLE ID:	SURFACE-1 032917				SURFACE-2 032917				SURFACE-3 032917				SURFACE-4 032917				SURFACE-5 032917				SURFACE-6 032917			
			COLLECTION DATE:	3/29/2017				3/29/2017				3/29/2017				3/29/2017				3/29/2017				3/29/2017			
			SAMPLE DEPTH:	0 to 2-in.				0 to 2-in.				0 to 2-in.				0 to 2-in.				0 to 2-in.				0 to 2-in.			
			SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																									
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS																												
Acenaphthene	500	100	20	0.051	J	0.18	0.023	0.047	J	0.17	0.022	ND		0.17	0.022	0.051	J	0.18	0.023	0.082	J	0.16	0.021	ND		0.19	0.024
Bis(2-chloroethyl)ether	NA	NA	NA	ND		0.2	0.03	ND		0.2	0.029	ND		0.19	0.029	ND		0.2	0.03	ND		0.18	0.027	ND		0.21	0.032
2-Chloronaphthalene	NA	NA	NA	ND		0.22	0.022	ND		0.22	0.022	ND		0.21	0.021	ND		0.22	0.022	ND		0.2	0.02	ND		0.23	0.023
3,3'-Dichlorobenzidine	NA	NA	NA	ND		0.22	0.059	ND		0.22	0.058	ND		0.21	0.057	ND		0.22	0.058	ND		0.2	0.053	ND		0.23	0.062
2,4-Dinitrotoluene	NA	NA	NA	ND		0.22	0.045	ND		0.22	0.043	ND		0.21	0.043	ND		0.22	0.044	ND		0.2	0.04	ND		0.23	0.047
2,6-Dinitrotoluene	NA	NA	NA	ND		0.22	0.038	ND		0.22	0.037	ND		0.21	0.037	ND		0.22	0.038	ND		0.2	0.034	ND		0.23	0.04
Fluoranthene	500	100	100	0.94		0.13	0.026	1.4		0.13	0.025	0.38		0.13	0.024	1		0.13	0.025	1.2		0.12	0.023	0.57		0.14	0.027
4-Chlorophenyl phenyl ether	NA	NA	NA	ND		0.22	0.024	ND		0.22	0.023	ND		0.21	0.023	ND		0.22	0.024	ND		0.2	0.021	ND		0.23	0.025
4-Bromophenyl phenyl ether	NA	NA	NA	ND		0.22	0.034	ND		0.22	0.033	ND		0.21	0.032	ND		0.22	0.034	ND		0.2	0.03	ND		0.23	0.036
Bis(2-chloroisopropyl)ether	NA	NA	NA	ND		0.27	0.038	ND		0.26	0.037	ND		0.26	0.036	ND		0.26	0.038	ND		0.24	0.034	ND		0.28	0.04
Bis(2-chloroethoxy)methane	NA	NA	NA	ND		0.24	0.022	ND		0.23	0.022	ND		0.23	0.021	ND		0.24	0.022	ND		0.22	0.02	ND		0.25	0.023
Hexachlorobutadiene	NA	NA	NA	ND		0.22	0.033	ND		0.22	0.032	ND		0.21	0.031	ND		0.22	0.032	ND		0.2	0.029	ND		0.23	0.034
Hexachlorocyclopentadiene	NA	NA	NA	ND		0.64	0.2	ND		0.62	0.2	ND		0.61	0.19	ND		0.63	0.2	ND		0.57	0.18	ND		0.67	0.21
Hexachloroethane	NA	NA	NA	ND		0.18	0.036	ND		0.17	0.035	ND		0.17	0.034	ND		0.18	0.036	ND		0.16	0.032	ND		0.19	0.038
Isophorone	NA	NA	NA	ND		0.2	0.029	ND		0.2	0.028	ND		0.19	0.028	ND		0.2	0.028	ND		0.18	0.026	ND		0.21	0.03
Naphthalene	500	100	12	ND		0.22	0.027	0.042	J	0.22	0.026	ND		0.21	0.026	0.033	J	0.22	0.027	ND		0.2	0.024	ND		0.23	0.028
Nitrobenzene	69	NA	NA	ND		0.2	0.033	ND		0.2	0.032	ND		0.19	0.032	ND		0.2	0.032	ND		0.18	0.029	ND		0.21	0.034
NDPA/DPA	NA	NA	NA	ND		0.18	0.025	ND		0.17	0.025	ND		0.17	0.024	ND		0.18	0.025	ND		0.16	0.023	ND		0.19	0.026
n-Nitrosodi-n-propylamine	NA	NA	NA	ND		0.22	0.034	ND		0.22	0.034	ND		0.21	0.033	ND		0.22	0.034	ND		0.2	0.031	ND		0.23	0.036
Bis(2-ethylhexyl)phthalate	NA	NA	NA	0.1	J	0.22	0.077	0.24		0.22	0.075	0.13	J	0.21	0.074	ND		0.22	0.076	ND		0.2	0.069	ND		0.23	0.081
Butyl benzyl phthalate	NA	100	NA	ND		0.22	0.056	ND		0.22	0.055	ND		0.21	0.054	ND		0.22	0.055	ND		0.2	0.05	ND		0.23	0.059
Di-n-butylphthalate	NA	NA	NA	ND		0.22	0.042	ND		0.22	0.041	ND		0.21	0.04	ND		0.22	0.042	ND		0.2	0.038	ND		0.23	0.044
Di-n-octylphthalate	NA	NA	NA	ND		0.22	0.076	ND		0.22	0.074	ND		0.21	0.072	ND		0.22	0.075	ND		0.2	0.068	ND		0.23	0.079
Diethyl phthalate	NA	NA	NA	ND		0.22	0.021	ND		0.22	0.02	ND		0.21	0.02	ND		0.22	0.02	ND		0.2	0.018	ND		0.23	0.022
Dimethyl phthalate	NA	NA	NA	ND		0.22	0.047	ND		0.22	0.046	ND		0.21	0.045	ND		0.22	0.046	ND		0.2	0.042	ND		0.23	0.049
Benzo(a)anthracene	5.6	1	1	0.49		0.13	0.025	0.64		0.13	0.024	0.19		0.13	0.024	0.46		0.13	0.025	0.56		0.12	0.022	0.28		0.14	0.026
Benzo(a)pyrene	1	1	1	0.44		0.18	0.054	0.67		0.17	0.053	0.16	J	0.17	0.052	0.37		0.18	0.054	0.45		0.16	0.048	0.24		0.19	0.057
Benzo(b)fluoranthene	5.6	1	1	0.57		0.13	0.038	0.89		0.13	0.036	0.22		0.13	0.036	0.47		0.13	0.037	0.58		0.12	0.034	0.32		0.14	0.039
Benzo(k)fluoranthene	56	1	0.8	0.2		0.13	0.036	0.27		0.13	0.035	0.055	J	0.13	0.034	0.17		0.13	0.035	0.2		0.12	0.032	0.12	J	0.14	0.037
Chrysene	56	1	1	0.46		0.13	0.023	0.61		0.13	0.022	0.17		0.13	0.022	0.43		0.13	0.023	0.52		0.12	0.021	0.29		0.14	0.024
Acenaphthylene	500	100	100	ND		0.18	0.034	0.094	J	0.17	0.034	ND		0.17	0.033	0.053	J	0.18	0.034	0.051	J	0.16	0.031	ND		0.19	0.036
Anthracene	500	100	100	0.14		0.13	0.044	0.19		0.13	0.042	0.05	J	0.13	0.042	0.16		0.13	0.043	0.19		0.12	0.039	0.059	J	0.14	0.045
Benzo(ghi)perylene	500	100	100	0.26		0.18	0.026	0.43		0.17	0.026	0.12	J	0.17	0.025	0.24		0.18	0.026	0.28		0.16	0.023	0.16	J	0.19	0.027
Fluorene	500	100	30	0.05	J	0.22	0.022	0.055	J	0.22	0.021	0.021	J	0.21	0.021	0.08	J	0.22	0.021	0.076	J	0.2	0.019	0.027	J	0.23	0.023
Phenanthrene	500	100	100	0.63		0.13	0.027	0.65		0.13	0.026	0.22		0.13	0.026	0.66		0.13	0.027	0.77		0.12	0.024	0.32		0.14	0.028
Dibenzo(a,h)anthracene	0.56	0.33	0.33	0.072	J	0.13	0.026	0.095	J	0.13	0.025	0.03	J	0.13	0.025	0.064	J	0.13	0.025	0.076	J	0.12	0.023	0.045	J	0.14	0.027
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	0.29		0.18	0.031	0.44		0.17	0.03	0.12	J	0.17	0.03	0.27		0.18	0.031	0.3		0.16	0.028	0.18	J	0.19	0.032
Pyrene	500	100	100	0.8		0.13	0.022	1.1		0.13	0.022	0.3		0.13	0.021	0.79		0.13	0.022	0.96		0.12	0.02	0.51		0.14	0.023
Biphenyl	NA	NA	NA	ND		0.51	0.052	ND		0.49	0.05	ND		0.49	0.05	ND		0.5	0.051	ND		0.45	0.046	ND		0.53	0.054
4-Chloroaniline	NA	100	NA	ND		0.22	0.041	ND		0.22	0.039	ND		0.21	0.039	ND		0.22	0.04	ND		0.2	0.036	ND		0.23	0.042
2-Nitroaniline	NA	NA	NA	ND		0.22	0.043	ND		0.22	0.042	ND		0.21	0.041	ND		0.22	0.042	ND		0.2	0.038	ND		0.23	0.045
3-Nitroaniline	NA	NA	NA	ND		0.22	0.042	ND		0.22	0.041	ND		0.21	0.04	ND		0.22	0.041	ND		0.2	0.038	ND		0.23	0.044
4-Nitroaniline	NA	NA	NA	ND		0.22	0.092	ND		0.22	0.09	ND		0.21	0.088	ND		0.22	0.091	ND		0.2	0.082	ND		0.23	0.096
Dibenzofuran	350	14	7	0.032	J	0.22	0.021	0.032	J	0.22	0.02	ND		0.21	0.02	0.045	J	0.22	0.021	0.044	J	0.2	0.019	ND		0.23	0.022
2-Methylnaphthalene	NA	0.41	NA	ND		0.27	0.027	0.033	J	0.26	0.026	ND		0.26	0.026	ND		0.26	0.026	0.025	J	0.24	0.024	ND		0.28	0.028
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND		0.22	0.023	ND		0.22	0.023	ND		0.21	0.022	ND		0.22	0.023	ND		0.2	0.021	ND		0.23	0.024
Acetophenone	NA	NA	NA	ND		0.22	0.028	ND		0.22	0.027	ND		0.21	0.026	ND		0.22	0.027	ND		0.2	0.025	ND		0.23	0.029
2,4,6-Trichlorophenol	NA	NA	NA	ND		0.13	0.042	ND		0.13	0.041	ND		0.13	0.04	ND		0.13	0.042	ND		0.12	0.038	ND		0.14	0.044
p-Chloro-m-cresol	NA	NA	NA	ND		0.22	0.033	ND		0.22	0.032	ND		0.21	0.032	ND		0.22	0.033	ND		0.2	0.03	ND		0.23	0.035
2-Chlorophenol	NA	100	NA	ND		0.22	0.026	ND		0.22	0.026	ND		0.21	0.025	ND		0.22	0.026	ND		0.2	0.024	ND		0.23	0.028
2,4-Dichlorophenol	NA	100	NA	ND		0.2	0.036	ND		0.2	0.035	ND		0.19	0.034	ND		0.2	0.035	ND		0.18	0.032	ND		0.21	0.038
2,4-Dimethylphenol	NA	NA	NA	ND		0.22	0.074	ND		0.22	0.072	ND		0.21	0.07	ND		0.22	0.072	ND		0.2	0.066	ND		0.23	0.077
2-Nitrophenol	NA	NA	NA	ND		0.48	0.084	ND		0.47	0.082	ND		0.46	0.08	ND		0.48	0.083	ND		0.43	0.075	ND		0.5	0.088
4-Nitrophenol	NA	NA	NA	ND		0.31	0.091	ND		0.3	0.088	ND		0.3	0.087	ND		0.31	0.09	ND		0.28	0.081	ND		0.33	0.095
2,4-Dinitrophenol	NA	100	NA	ND		1.1	0.1	ND		1	0.1	ND		1	0.099	ND		1	0.1	ND		0.96	0.093	ND		1.1	0.11
4,6-Dinitro-o-cresol	NA	NA	NA	ND		0.58	0.11	ND		0.56	0.1	ND		0.55	0.1	ND		0.57	0.1	ND		0.52	0.096	ND		0.61	0.11
Pentachlorophenol	6.7	2.4	0.8	ND		0.18	0.049	ND		0.17	0.048	ND		0.17	0.047	ND		0.18	0.048	ND		0.16	0.044	ND		0.19	0.051
Phenol	500	100	0.33	ND		0.22	0.034	ND		0.22	0.033	ND		0.21	0.032	ND		0.22	0.033	ND		0.2	0.03	ND		0.23	0.035
2-Methylphenol	500	100	0.33	ND		0.22	0.035	ND		0.22	0.034	ND		0.21	0.033	ND		0.22	0.034	ND		0.2	0.031	ND		0.23	0.036
3-Methylphenol/4-Methylphenol	500	34	0.33	ND		0.32	0.035	ND		0.31	0.034	ND		0.31	0.033	ND		0.32	0.034	ND		0.29	0.031	ND		0.34	0.036
2,4,5-Trichlorophenol	NA	100	NA	ND		0.22	0.043	ND		0.22	0.042	ND		0.21	0.041	ND		0.22	0.042	ND		0.2	0.038	ND		0.23	0.045
Carbazole	NA	NA	NA	0.082	J	0.22	0.022	0.079	J	0.22	0.021	0.022	J	0.21	0.021	0.069	J	0.22	0.021	0.07	J	0.2	0.019	0.044	J	0.23	0.023
Atrazine	NA	NA	NA	ND		0.18	0.078	ND		0.17	0.076	ND		0.17	0.075	ND		0.18	0.077	ND		0.16	0.07	ND		0.19	0.082
Benzaldehyde	NA	NA	NA	ND		0.29	0.06	ND		0.29	0.058	ND		0.28	0.058	ND		0.29	0.059	ND		0.26	0.054	ND		0.31	0.063
Caprolactam	NA	NA	NA	ND		0.22	0.068	ND		0.22	0.066	ND		0.21	0.065	ND		0.22	0.067	ND		0.2	0.06	ND		0.23	0.071
2,3,4,6-Tetrachlorophenol	NA	NA	NA	ND		0.22	0.045	ND		0.22	0.044	ND		0.21	0.043	ND		0.22	0.044	ND		0.2	0.04	ND		0.23	0.047
Total SVOCs				5.607	J	-	-	8.007	J	-	-	2.188	J	-	-	5.415	J	-	-	6.434	J	-	-	3.165	J	-	-

Notes:
"-" - Indicates that a "Total" value does not apply.
mg/kg - milligrams per kilogram.
CSCO = Table Part 375 -6.8(b) Restricted Use - Commercial Soil Cleanup Objectives
RSCO = Table Part 375-6.8(b) Restricted Use -Residential Soil Cleanup Objectives
USCO = Table Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
NA = Not applicable or no standard.
Q = Result qualifier.
RL = Laboratory reporting limit.
MDL = Method detection limit.

TABLE 7
Remedial Investigation - Surface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

				SAMPLE ID:	SURFACE-1 032917				SURFACE-2 032917				SURFACE-3 032917				SURFACE-4 032917				SURFACE-5 032917				SURFACE-6 032917			
				COLLECTION DATE:	3/29/2017				3/29/2017				3/29/2017				3/29/2017				3/29/2017				3/29/2017			
				SAMPLE DEPTH:	0 to 2-in.				0 to 2-in.				0 to 2-in.				0 to 2-in.				0 to 2-in.				0 to 2-in.			
				SAMPLE MATRIX:	SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																									
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS - TICs																											
Total TIC Compounds	NA	NA	NA	0.359	J	0	0	0.559	J	0	0	0.192	J	0	0	0.449	J	0	0	1.158	J	0	0	0.678	J	0	0
CHLORINATED HERBICIDES BY GC																											
2,4-D	NA	100	NA	ND		0.225	0.014	ND		0.218	0.0137	ND		0.216	0.014	ND		0.223	0.014	ND		0.201	0.013	ND		0.232	0.015
2,4,5-T	NA	100	NA	ND		0.225	0.007	ND		0.218	0.00676	ND		0.216	0.007	ND		0.223	0.007	ND		0.201	0.006	ND		0.232	0.007
2,4,5-TP (Silvex)	500	58	3.8	ND		0.225	0.006	ND		0.218	0.0058	ND		0.216	0.006	ND		0.223	0.006	ND		0.201	0.005	ND		0.232	0.006
ORGANOCHLORINE PESTICIDES BY GC																											
Delta-BHC	500	100	0.04	ND		0.002	4E-04	ND		0.002	0.000402	ND		0.002	4E-04	ND		0.002	4E-04	ND		0.002	4E-04	ND		0.002	4E-04
Lindane	9.2	0.28	0.1	ND		9E-04	4E-04	ND		9E-04	0.000382	ND		8E-04	4E-04	ND		9E-04	4E-04	ND		8E-04	4E-04	ND		9E-04	4E-04
Alpha-BHC	3.4	0.097	0.02	ND		9E-04	2E-04	ND		9E-04	0.000243	ND		8E-04	2E-04	ND		9E-04	2E-04	ND		8E-04	2E-04	ND		9E-04	3E-04
Beta-BHC	3	0.072	0.036	ND		0.002	8E-04	ND		0.002	0.000778	ND		0.002	8E-04	ND		0.002	8E-04	ND		0.002	7E-04	ND		0.002	8E-04
Heptachlor	15	0.42	0.042	ND		0.001	5E-04	ND		0.001	0.00046	ND		0.001	4E-04	ND		0.001	5E-04	ND		1E-03	4E-04	ND		0.001	5E-04
Aldrin	0.68	0.019	0.005	ND		0.002	7E-04	ND		0.002	0.000722	ND		0.002	7E-04	ND		0.002	7E-04	ND		0.002	7E-04	ND		0.002	8E-04
Heptachlor epoxide	NA	0.077	NA	ND		0.004	0.001	ND		0.004	0.00115	ND		0.004	0.001	ND		0.004	0.001	ND		0.004	0.001	ND		0.004	0.001
Endrin	89	2.2	0.014	ND		9E-04	4E-04	ND		9E-04	0.00035	ND		8E-04	3E-04	ND		9E-04	4E-04	ND		8E-04	3E-04	ND		9E-04	4E-04
Endrin aldehyde	NA	NA	NA	ND		0.003	9E-04	ND		0.003	0.000898	ND		0.003	9E-04	ND		0.003	9E-04	ND		0.002	8E-04	ND		0.003	1E-03
Endrin ketone	NA	NA	NA	ND		0.002	5E-04	ND		0.002	0.000528	ND		0.002	5E-04	ND		0.002	5E-04	ND		0.002	5E-04	ND		0.002	6E-04
Dieldrin	1.4	0.039	0.005	ND		0.001	7E-04	ND		0.001	0.000641	ND		0.001	6E-04	ND		0.001	7E-04	ND		0.001	6E-04	ND		0.001	7E-04
4,4'-DDE	62	1.8	0.0033	ND		0.002	5E-04	0.0053		0.002	0.000474	0.001	J	0.002	5E-04	0.00292		0.002	5E-04	ND		0.002	4E-04	0.0064		0.002	5E-04
4,4'-DDD	92	2.6	0.0033	ND		0.002	7E-04	ND		0.002	0.000732	ND		0.002	7E-04	ND		0.002	7E-04	ND		0.002	7E-04	ND		0.002	8E-04
4,4'-DDT	47	1.7	0.0033	ND		0.004	0.002	0.0212		0.004	0.00165	0.00308	J	0.004	0.002	0.00734		0.004	0.002	ND		0.004	0.002	0.0094		0.004	0.002
Endosulfan I	200	4.8	2.4	ND		0.002	5E-04	ND		0.002	0.000485	ND		0.002	5E-04	ND		0.002	5E-04	ND		0.002	5E-04	ND		0.002	5E-04
Endosulfan II	200	4.8	2.4	ND		0.002	7E-04	ND		0.002	0.000686	ND		0.002	7E-04	ND		0.002	7E-04	ND		0.002	6E-04	ND		0.002	7E-04
Endosulfan sulfate	200	4.8	2.4	ND		9E-04	4E-04	ND		9E-04	0.000407	ND		8E-04	4E-04	ND		9E-04	4E-04	ND		8E-04	4E-04	ND		9E-04	4E-04
Methoxychlor	NA	100	NA	ND		0.004	0.001	ND		0.004	0.0012	ND		0.004	0.001	ND		0.004	0.001	ND		0.004	0.001	ND		0.004	0.001
Toxaphene	NA	NA	NA	ND		0.039	0.011	ND		0.039	0.0108	ND		0.038	0.011	ND		0.039	0.011	ND		0.036	0.01	ND		0.042	0.012
cis-Chlordane	24	0.91	0.094	ND		0.003	7E-04	ND		0.003	0.000715	ND		0.003	7E-04	ND		0.003	7E-04	ND		0.002	7E-04	ND		0.003	8E-04
trans-Chlordane	NA	0.54	NA	ND		0.003	7E-04	ND		0.003	0.000677	ND		0.003	7E-04	ND		0.003	7E-04	ND		0.002	6E-04	ND		0.003	7E-04
Chlordane	NA	NA	NA	ND		0.017	0.007	ND		0.017	0.0068	ND		0.016	0.007	ND		0.017	0.007	ND		0.016	0.006	ND		0.018	0.007
POLYCHLORINATED BIPHENYLS BY GC																											
Aroclor 1016	1	1	0.1	ND		0.045	0.004	ND		0.043	0.00341	ND		0.042	0.003	ND		0.044	0.003	ND		0.04	0.003	ND		0.045	0.004
Aroclor 1221	1	1	0.1	ND		0.045	0.004	ND		0.043	0.00398	ND		0.042	0.004	ND		0.044	0.004	ND		0.04	0.004	ND		0.045	0.004
Aroclor 1232	1	1	0.1	ND		0.045	0.005	ND		0.043	0.00506	ND		0.042	0.005	ND		0.044	0.005	ND		0.04	0.005	ND		0.045	0.005
Aroclor 1242	1	1	0.1	ND		0.045	0.005	ND		0.043	0.00528	ND		0.042	0.005	ND		0.044	0.005	ND		0.04	0.005	ND		0.045	0.006
Aroclor 1248	1	1	0.1	ND		0.045	0.004	ND		0.043	0.00364	ND		0.042	0.004	ND		0.044	0.004	ND		0.04	0.003	ND		0.045	0.004
Aroclor 1254	1	1	0.1	ND		0.045	0.004	ND		0.043	0.00355	ND		0.042	0.003	ND		0.044	0.004	ND		0.04	0.003	ND		0.045	0.004
Aroclor 1260	1	1	0.1	ND		0.045	0.003	0.0166	J	0.043	0.00329	ND		0.042	0.003	0.0089	J	0.044	0.003	0.00495	J	0.04	0.003	0.00992	J	0.045	0.003
Aroclor 1262	1	1	0.1	ND		0.045	0.002	ND		0.043	0.00214	ND		0.042	0.002	ND		0.044	0.002	ND		0.04	0.002	ND		0.045	0.002
Aroclor 1268	1	1	0.1	ND		0.045	0.007	ND		0.043	0.00626	ND		0.042	0.006	ND		0.044	0.006	ND		0.04	0.006	ND		0.045	0.007
PCBs, Total	NA	NA	NA	ND		0.045	0.002	0.0166	J	0.043	0.00214	ND		0.042	0.002	0.0089	J	0.044	0.003	0.00495	J	0.04	0.003	0.00992	J	0.045	0.003
TOTAL METALS																											
Aluminum, Total	NA	NA	NA	7300		11	2.9	6000		10	2.8	5500		10	2.7	7400		10	2.8	5900		9.6	2.6	7000		11	3
Antimony, Total	NA	NA	NA	ND		5.4	0.41	ND		5.2	0.39	ND		5.1	0.38	ND		5.1	0.39	ND		4.8	0.36	ND		5.5	0.42
Arsenic, Total	16	16	13	6.7		1.1	0.22	8.2		1	0.22	4.4		1	0.21	7		1	0.21	4.7		0.96	0.2	5.8		1.1	0.23
Barium, Total	400	350	350	110		1.1	0.19	120		1	0.18	84		1	0.18	170		1	0.18	54		0.96	0.17	130		1.1	0.19
Beryllium, Total	590	14	7.2	0.36	J	0.54	0.04	0.25	J	0.52	0.03	0.2	J	0.51	0.03	0.32	J	0.51	0.03	0.21	J	0.48	0.03	0.32	J	0.55	0.04
Cadmium, Total	9.3	2.5	2.5	0.19	J	1.1	0.1	1		1	0.1	0.18	J	1	0.1	0.54	J	1	0.1	ND		0.96	0.09	0.36	J	1.1	0.11
Calcium, Total	NA	NA	NA	30000		11	3.8	39000		10	3.6	26000		10	3.6	18000		10	3.6	64000		9.6	3.3	10000		11	3.8
Chromium, Total	NA	NA	NA	13		1.1	0.1	14		1	0.1	10		1	0.1	15		1	0.1	10		0.96	0.09	16		1.1	0.1
Cobalt, Total	NA	30	NA	5.6		2.2	0.18	5.1		2.1	0.17	4.8		2	0.17	5.7		2	0.17	5.2		1.9	0.16	5.1		2.2	0.18
Copper, Total	270	270	50	24		1.1	0.28	42		1	0.27	20		1	0.26	44		1	0.26	25		0.96	0.25	36		1.1	0.28
Iron, Total	NA	2000	NA	13000		5.4	0.97	12000		5.2	0.94	12000		5.1	0.92	14000		5.1	0.92	13000		4.8	0.86	14000		5.5	0.99
Lead, Total	1000	400	63	300		5.4	0.29	800		5.2	0.28	250		5.1	0.27	470		5.1	0.27	68		4.8	0.26	250		5.5	0.29
Magnesium, Total	NA	NA	NA	7000		11	1.6	7300		10	1.6	10000		10	1.6	6300		10	1.6	12000		9.6	1.5	5100		11	1.7
Manganese, Total	10000	2000	1600	340		1.1	0.17	310		1	0.16	310		1	0.16	340		1	0.16	310		0.96	0.15	280		1.1	0.17
Mercury, Total	2.8	0.81	0.18	0.39		0.09	0.02	0.35		0.09	0.02	0.23		0.08	0.02	0.65		0.09	0.02	0.09		0.08	0.02	0.32		0.09	0.02
Nickel, Total	310	140	30	14		2.7	0.26	14		2.6	0.25	11		2.5	0.24	14		2.6	0.25	12		2.4	0.23	13		2.7	0.26
Potassium, Total	NA	NA	NA	1000		270	15	960		260	15	960		250	15	1100		260	15	1000		240	14	780		270	16
Selenium, Total	1500	36	3.9	0.58	J	2.2	0.28	ND		2.1	0.27	ND		2	0.26	0.83	J	2	0.26	0.41	J	1.9	0.25	ND		2.2	0.28
Silver, Total	1500	36	2	ND		1.1	0.3	ND		1	0.29	ND		1	0.29	ND		1	0.29	ND		0.96	0.27	ND		1.1	0.31
Sodium, Total	NA	NA	NA	72	J	220	3.4	75	J	210	3.3	68	J	200	3.2	61	J	200	3.2	91	J	190	3	51	J	220	3.4
Thallium, Total	NA	NA	NA	ND		2.2	0.34	ND		2.1	0.33	ND		2	0.32	ND		2	0.32	ND		1.9	0.3	ND		2.2	0.34
Vanadium, Total	NA	100	NA	16		1.1	0.22	15		1	0.21	14		1	0.21	18		1	0.21	14		0.96	0.19	17		1.1	0.22
Zinc, Total	10000	2200	109	160		5.4	0.32	390		5.2	0.3	140		5.1	0.3	260		5.1	0.3	81		4.8	0.28	180		5.5	0.32
GENERAL CHEMISTRY																											
Solids, Total	NA	NA	NA	73.5		0.1	NA	75.5		0.1	NA	76.6		0.1	NA	73.8		0.1	NA	82.1		0.1	NA	70.8		0.1	NA
Cyanide, Total	27	27	27	0.24	J	1.3	0.21	0.32	J	1.2	0.2	0.66	J	1.2	0.2	0.65	J	1.3	0.21	0.4	J	1.2	0.2	ND		1.3	0.22

Notes:
"-" - Indicates that a "Total" value does not apply.
mg/kg - milligrams per kilogram.
CSCO = Table Part 375 -6.8(b) Restricted Use - Commercial Soil Cleanup Objectives
RSCO = Table Part 375-6.8(b) Restricted Use -Residential Soil Cleanup Objectives
USCO = Table Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
NA = Not applicable or no standard.
Q = Result qualifier.
RL = Laboratory reporting limit.
MDL = Method detection limit.
J= concentration is greater than the MDL but less than the RL. Concentration is considered an estimate.

TABLE 9
Remedial Investigation - Subsurface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID (Sample Depth):				SB-10 (6-8) 032717				SB-10 (10-12) 032717				SB-11 (6-8) 032717				SB-11 (6-8) 032717 DUP				SB-12 (10-12) 032717				SB-13 (4-6) 032817				SB-14 (4-6) 032917			
COLLECTION DATE:				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/28/2017				3/29/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																															
Methylene chloride	500	51	0.05	ND		0.011	0.0019	ND		0.01	0.0017	ND		0.01	0.0017	ND		0.011	0.0018	ND		0.011	0.0019	ND		0.011	0.0018	ND		0.012	0.0019
1,1-Dichloroethane	240	19	0.27	ND		0.0017	0.00031	ND		0.0016	0.00028	ND		0.0015	0.00027	ND		0.0017	0.0003	ND		0.0017	0.00031	ND		0.0016	0.0003	ND		0.0018	0.00032
Chloroform	350	10	0.37	ND		0.0017	0.00042	ND		0.0016	0.00039	ND		0.0015	0.00037	ND		0.0017	0.00042	ND		0.0017	0.00042	ND		0.0016	0.0004	ND		0.0018	0.00043
Carbon tetrachloride	22	1.4	0.76	ND		0.0011	0.00039	ND		0.001	0.00036	ND		0.001	0.00035	ND		0.0011	0.00039	ND		0.0011	0.00039	ND		0.0011	0.00038	ND		0.0012	0.0004
1,2-Dichloropropane	NA	NA	NA	ND		0.004	0.00026	ND		0.0037	0.00024	ND		0.0035	0.00023	ND		0.0039	0.00026	ND		0.004	0.00026	ND		0.0038	0.00025	ND		0.0041	0.00027
Dibromochloromethane	NA	NA	NA	ND		0.0011	0.0002	ND		0.001	0.00018	ND		0.001	0.00018	ND		0.0011	0.0002	ND		0.0011	0.0002	ND		0.0011	0.00019	ND		0.0012	0.00021
1,1,2-Trichloroethane	NA	NA	NA	ND		0.0017	0.00036	ND		0.0016	0.00033	ND		0.0015	0.00032	ND		0.0017	0.00035	ND		0.0017	0.00036	ND		0.0016	0.00034	ND		0.0018	0.00037
Tetrachloroethene	150	5.5	1.3	ND		0.0011	0.00034	ND		0.001	0.00032	ND		0.001	0.0003	ND		0.0011	0.00034	ND		0.0011	0.00034	ND		0.0011	0.00033	ND		0.0012	0.00035
Chlorobenzene	500	100	1.1	ND		0.0011	0.0004	ND		0.001	0.00036	ND		0.001	0.00035	ND		0.0011	0.00039	ND		0.0011	0.00039	ND		0.0011	0.00038	ND		0.0012	0.00041
Trichlorofluoromethane	NA	NA	NA	ND		0.0057	0.00048	ND		0.0052	0.00044	ND		0.0051	0.00042	ND		0.0056	0.00047	ND		0.0057	0.00047	ND		0.0055	0.00046	ND		0.0059	0.00049
1,2-Dichloroethane	30	2.3	0.02	ND		0.0011	0.00028	ND		0.001	0.00026	ND		0.001	0.00025	ND		0.0011	0.00028	ND		0.0011	0.00028	ND		0.0011	0.00027	ND		0.0012	0.00029
1,1,1-Trichloroethane	500	100	0.68	ND		0.0011	0.0004	ND		0.001	0.00037	ND		0.001	0.00035	ND		0.0011	0.00039	ND		0.0011	0.0004	ND		0.0011	0.00038	ND		0.0012	0.00041
Bromodichloromethane	NA	NA	NA	ND		0.0011	0.00035	ND		0.001	0.00032	ND		0.001	0.00031	ND		0.0011	0.00035	ND		0.0011	0.00035	ND		0.0011	0.00034	ND		0.0012	0.00036
trans-1,3-Dichloropropene	NA	NA	NA	ND		0.0011	0.00024	ND		0.001	0.00022	ND		0.001	0.00021	ND		0.0011	0.00023	ND		0.0011	0.00024	ND		0.0011	0.00023	ND		0.0012	0.00024
cis-1,3-Dichloropropene	NA	NA	NA	ND		0.0011	0.00026	ND		0.001	0.00024	ND		0.001	0.00023	ND		0.0011	0.00026	ND		0.0011	0.00026	ND		0.0011	0.00025	ND		0.0012	0.00027
Bromoform	NA	NA	NA	ND		0.0046	0.00027	ND		0.0042	0.00025	ND		0.004	0.00024	ND		0.0045	0.00027	ND		0.0045	0.00027	ND		0.0044	0.00026	ND		0.0047	0.00028
1,1,2,2-Tetrachloroethane	NA	35	NA	ND		0.0011	0.00034	ND		0.001	0.00031	ND		0.001	0.0003	ND		0.0011	0.00033	ND		0.0011	0.00034	ND		0.0011	0.00032	ND		0.0012	0.00035
Benzene	44	2.9	0.06	ND		0.0011	0.00022	ND		0.001	0.0002	ND		0.001	0.0002	ND		0.0011	0.00022	ND		0.0011	0.00022	ND		0.0011	0.00021	ND		0.0012	0.00023
Toluene	500	100	0.7	ND		0.0017	0.00022	ND		0.0016	0.0002	ND		0.0015	0.0002	ND		0.0017	0.00022	ND		0.0017	0.00022	ND		0.0016	0.00021	ND		0.0018	0.00023
Ethylbenzene	390	30	1	ND		0.0011	0.00019	ND		0.001	0.00018	ND		0.001	0.00017	ND		0.0011	0.00019	ND		0.0011	0.00019	ND		0.0011	0.00018	ND		0.0012	0.0002
Chloromethane	NA	NA	NA	ND		0.0057	0.0005	ND		0.0052	0.00046	ND		0.0051	0.00044	ND		0.0056	0.00049	ND		0.0057	0.00049	ND		0.0055	0.00048	ND		0.0059	0.00051
Bromomethane	NA	NA	NA	ND		0.0023	0.00038	ND		0.0021	0.00035	ND		0.002	0.00034	ND		0.0022	0.00038	ND		0.0023	0.00038	ND		0.0022	0.00037	ND		0.0023	0.0004
Vinyl chloride	13	0.21	0.02	ND		0.0023	0.00036	ND		0.0021	0.00033	ND		0.002	0.00032	ND		0.0022	0.00035	ND		0.0023	0.00036	ND		0.0022	0.00034	ND		0.0023	0.00037
Chloroethane	NA	NA	NA	ND		0.0023	0.00036	ND		0.0021	0.00033	ND		0.002	0.00032	ND		0.0022	0.00036	ND		0.0023	0.00036	ND		0.0022	0.00034	ND		0.0023	0.00037
1,1-Dichloroethene	500	100	0.33	ND		0.0011	0.00042	ND		0.001	0.00039	ND		0.001	0.00038	ND		0.0011	0.00042	ND		0.0011	0.00042	ND		0.0011	0.00041	ND		0.0012	0.00044
trans-1,2-Dichloroethene	500	100	0.19	ND		0.0017	0.00028	ND		0.0016	0.00025	ND		0.0015	0.00024	ND		0.0017	0.00027	ND		0.0017	0.00027	ND		0.0016	0.00026	ND		0.0018	0.00028
Trichloroethene	200	10	0.47	ND		0.0011	0.00034	ND		0.001	0.00032	ND		0.001	0.0003	ND		0.0011	0.00034	ND		0.0011	0.00034	ND		0.0011	0.00033	ND		0.0012	0.00035
1,2-Dichlorobenzene	500	100	1.1	ND		0.0057	0.00021	ND		0.0052	0.00019	ND		0.0051	0.00018	ND		0.0056	0.0002	ND		0.0057	0.00021	ND		0.0055	0.0002	ND		0.0059	0.00021
1,3-Dichlorobenzene	280	17	2.4	ND		0.0057	0.00025	ND		0.0052	0.00023	ND		0.0051	0.00022	ND		0.0056	0.00024	ND		0.0057	0.00025	ND		0.0055	0.00024	ND		0.0059	0.00026
1,4-Dichlorobenzene	130	9.8	1.8	ND		0.0057	0.00021	ND		0.0052	0.00019	ND		0.0051	0.00018	ND		0.0056	0.0002	ND		0.0057	0.00021	ND		0.0055	0.0002	ND		0.0059	0.00021
Methyl tert butyl ether	500	62	0.93	ND		0.0023	0.00017	ND		0.0021	0.00016	ND		0.002	0.00016	ND		0.0022	0.00017	ND		0.0023	0.00017	ND		0.0022	0.00017	ND		0.0023	0.00018
p/m-Xylene	NA	NA	NA	ND		0.0023	0.0004	ND		0.0021	0.00037	ND		0.002	0.00036	ND		0.0022	0.00039	ND		0.0023	0.0004	ND		0.0022	0.00038	ND		0.0023	0.00041
o-Xylene	NA	NA	NA	ND		0.0023	0.00038	ND		0.0021	0.00035	ND		0.002	0.00034	ND		0.0022	0.00038	ND		0.0023	0.00038	ND		0.0022	0.00037	ND		0.0023	0.0004
cis-1,2-Dichloroethene	500	59	0.25	ND		0.0011	0.00039	ND		0.001	0.00036	ND		0.001	0.00035	ND		0.0011	0.00038	ND		0.0011	0.00039	ND		0.0011	0.00037	ND		0.0012	0.0004
Styrene	NA	NA	NA	ND		0.0023	0.00046	ND		0.0021	0.00042	ND		0.002	0.00041	ND		0.0022	0.00045	ND		0.0023	0.00046	ND		0.0022	0.00044	ND		0.0023	0.00047
Dichlorodifluoromethane	NA	NA	NA	ND		0.011	0.00057	ND		0.01	0.00052	ND		0.01	0.00051	ND		0.011	0.00056	ND		0.011	0.00057	ND		0.011	0.00055	ND		0.012	0.00059
Acetone	500	100	0.05	ND		0.011	0.0026	ND		0.01	0.0024	ND		0.01	0.0023	ND		0.011	0.0026	ND		0.011	0.0026	ND		0.011	0.0025	ND		0.012	0.0027
Carbon disulfide	NA	100	NA	ND		0.011	0.0012	ND		0.01	0.0012	ND		0.01	0.0011	ND		0.011	0.0012	ND		0.011	0.0012	ND		0.011	0.0012	ND		0.012	0.0013

Notes:
All results are shown in mg/kg.
– = Does not apply.
CSCO = Table Part 375-6.8(b) Restricted Use – Commercial Soil Cleanup Objectives.
RSCO = Table Part 375-6.8(b) Restricted Use – Residential Soil Cleanup Objectives.
USCO = Table Part 375-6.8(b) Unrestricted Use – Soil Cleanup Objectives.
NA = No Standard.
Q = Result qualifier.
RL = Laboratory reporting limit.
MDL = Method detection limit.
J = Concentration is ≥ the MDL but ≤ the RL. Concentration is considered an estimate.

TABLE 9
Remedial Investigation - Subsurface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID (Sample Depth):				SB-10 (6-8) 032717				SB-10 (10-12) 032717				SB-11 (6-8) 032717				SB-11 (6-8) 032717 DUP				SB-12 (10-12) 032717				SB-13 (4-6) 032817				SB-14 (4-6) 032917			
COLLECTION DATE:				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/28/2017				3/29/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
2-Butanone	500	100	0.12	ND		0.011	0.00079	ND		0.01	0.00072	ND		0.01	0.0007	ND		0.011	0.00078	ND		0.011	0.00078	ND		0.011	0.00075	ND		0.012	0.00081
4-Methyl-2-pentanone	NA	NA	NA	ND		0.011	0.00028	ND		0.01	0.00026	ND		0.01	0.00025	ND		0.011	0.00027	ND		0.011	0.00028	ND		0.011	0.00027	ND		0.012	0.00029
2-Hexanone	NA	NA	NA	ND		0.011	0.00076	ND		0.01	0.0007	ND		0.01	0.00067	ND		0.011	0.00075	ND		0.011	0.00076	ND		0.011	0.00073	ND		0.012	0.00078
Bromochloromethane	NA	NA	NA	ND		0.0057	0.00041	ND		0.0052	0.00037	ND		0.0051	0.00036	ND		0.0056	0.0004	ND		0.0057	0.0004	ND		0.0055	0.00039	ND		0.0059	0.00042
1,2-Dibromoethane	NA	NA	NA	ND		0.0046	0.00023	ND		0.0042	0.00021	ND		0.004	0.0002	ND		0.0045	0.00022	ND		0.0045	0.00022	ND		0.0044	0.00022	ND		0.0047	0.00023
1,2-Dibromo-3-chloropropane	NA	NA	NA	ND		0.0057	0.00045	ND		0.0052	0.00042	ND		0.0051	0.0004	ND		0.0056	0.00044	ND		0.0057	0.00045	ND		0.0055	0.00043	ND		0.0059	0.00046
Isopropylbenzene	NA	100	NA	ND		0.0011	0.00022	ND		0.001	0.0002	ND		0.001	0.0002	ND		0.0011	0.00022	ND		0.0011	0.00022	ND		0.0011	0.00021	ND		0.0012	0.00023
1,2,3-Trichlorobenzene	NA	NA	NA	ND		0.0057	0.00029	ND		0.0052	0.00026	ND		0.0051	0.00025	ND		0.0056	0.00028	ND		0.0057	0.00028	ND		0.0055	0.00027	ND		0.0059	0.00029
1,2,4-Trichlorobenzene	NA	NA	NA	ND		0.0057	0.00024	ND		0.0052	0.00022	ND		0.0051	0.00022	ND		0.0056	0.00024	ND		0.0057	0.00024	ND		0.0055	0.00023	ND		0.0059	0.00025
Methyl Acetate	NA	NA	NA	ND		0.023	0.00053	ND		0.021	0.00048	ND		0.02	0.00047	ND		0.022	0.00052	ND		0.023	0.00052	ND		0.022	0.0005	ND		0.023	0.00054
Cyclohexane	NA	NA	NA	ND		0.023	0.00049	ND		0.021	0.00045	ND		0.02	0.00044	ND		0.022	0.00049	ND		0.023	0.00049	ND		0.022	0.00047	ND		0.023	0.00051
1,4-Dioxane	130	9.8	0.1	ND		0.046	0.016	ND		0.042	0.015	ND		0.04	0.014	ND		0.045	0.016	ND		0.045	0.016	ND		0.044	0.016	ND		0.047	0.017
Freon-113	NA	100	NA	ND		0.023	0.00059	ND		0.021	0.00054	ND		0.02	0.00052	ND		0.022	0.00058	ND		0.023	0.00058	ND		0.022	0.00056	ND		0.023	0.0006
Methyl cyclohexane	NA	NA	NA	ND		0.0046	0.00027	ND		0.0042	0.00025	ND		0.004	0.00024	ND		0.0045	0.00027	ND		0.0045	0.00027	ND		0.0044	0.00026	ND		0.0047	0.00028
Total VOCs				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds	NA	NA	NA	0.0139	J	0	0	0.00349	J	0	0	0.0032	J	0	0	0.0034	J	0	0	0.00275	J	0	0	0.0107	J	0	0	0.0058	J	0	0
SEMIVOLATILE ORGANICS BY GC/MS																															
Acenaphthene	500	100	20	ND		0.16	0.02	ND		0.15	0.02	ND		0.16	0.021	ND		0.16	0.02	ND		0.16	0.02	ND		0.16	0.02	ND		0.16	0.02
Hexachlorobenzene	6	0.41	0.33	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022
Bis(2-chloroethyl)ether	NA	NA	NA	ND		0.18	0.026	ND		0.17	0.026	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.026
2-Chloronaphthalene	NA	NA	NA	ND		0.2	0.019	ND		0.19	0.019	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.019
3,3'-Dichlorobenzidine	NA	NA	NA	ND		0.2	0.052	ND		0.19	0.051	ND		0.2	0.053	ND		0.2	0.053	ND		0.2	0.053	ND		0.2	0.053	ND		0.2	0.052
2,4-Dinitrotoluene	NA	NA	NA	ND		0.2	0.039	ND		0.19	0.039	ND		0.2	0.04	ND		0.2	0.04	ND		0.2	0.04	ND		0.2	0.04	ND		0.2	0.039
2,6-Dinitrotoluene	NA	1.03	NA	ND		0.2	0.034	ND		0.19	0.033	ND		0.2	0.034	ND		0.2	0.034	ND		0.2	0.034	ND		0.2	0.034	ND		0.2	0.034
Fluoranthene	500	100	100	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.023	ND		0.12	0.023	ND		0.12	0.023	ND		0.12	0.023	ND		0.12	0.022
4-Chlorophenyl phenyl ether	NA	NA	NA	ND		0.2	0.021	ND		0.19	0.021	ND		0.2	0.021	ND		0.2	0.021	ND		0.2	0.021	ND		0.2	0.021	ND		0.2	0.021
4-Bromophenyl phenyl ether	NA	NA	NA	ND		0.2	0.03	ND		0.19	0.029	ND		0.2	0.03	ND		0.2	0.03	ND		0.2	0.03	ND		0.2	0.03	ND		0.2	0.03
Bis(2-chloroisopropyl)ether	NA	NA	NA	ND		0.24	0.033	ND		0.23	0.033	ND		0.24	0.034	ND		0.24	0.034	ND		0.24	0.034	ND		0.24	0.034	ND		0.23	0.033
Bis(2-chloroethoxy)methane	NA	NA	NA	ND		0.21	0.02	ND		0.21	0.019	ND		0.22	0.02	ND		0.21	0.02	ND		0.21	0.02	ND		0.21	0.02	ND		0.21	0.02
Hexachlorobutadiene	NA	NA	NA	ND		0.2	0.029	ND		0.19	0.028	ND		0.2	0.029	ND		0.2	0.029	ND		0.2	0.029	ND		0.2	0.029	ND		0.2	0.028
Hexachlorocyclopentadiene	NA	NA	NA	ND		0.56	0.18	ND		0.55	0.17	ND		0.57	0.18	ND		0.57	0.18	ND		0.57	0.18	ND		0.57	0.18	ND		0.56	0.18
Hexachloroethane	NA	NA	NA	ND		0.16	0.032	ND		0.15	0.031	ND		0.16	0.032	ND		0.16	0.032	ND		0.16	0.032	ND		0.16	0.032	ND		0.16	0.032
Isophorone	NA	100	NA	ND		0.18	0.025	ND		0.17	0.025	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.025
Naphthalene	500	100	12	ND		0.2	0.024	ND		0.19	0.024	ND		0.2	0.024	ND		0.2	0.024	ND		0.2	0.024	ND		0.2	0.024	ND		0.2	0.024
Nitrobenzene	69	3.7	NA	ND		0.18	0.029	ND		0.17	0.028	ND		0.18	0.03	ND		0.18	0.029	ND		0.18	0.029	ND		0.18	0.029	ND		0.18	0.029
NDPA/DPA	NA	NA	NA	ND		0.16	0.022	ND		0.15	0.022	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.022	ND		0.16	0.022	ND		0.16	0.022
n-Nitrosodi-n-propylamine	NA	NA	NA	ND		0.2	0.03	ND		0.19	0.03	ND		0.2	0.031	ND		0.2	0.031	ND		0.2	0.031	ND		0.2	0.03	ND		0.2	0.03
Bis(2-ethylhexyl)phthalate	NA	50	NA	ND		0.2	0.068	ND		0.19	0.067	ND		0.2	0.069	ND		0.2	0.069	ND		0.2	0.068	ND		0.2	0.068	ND		0.2	0.068
Butyl benzyl phthalate	NA	100	NA	ND		0.2	0.049	ND		0.19	0.049	ND		0.2	0.05	ND		0.2	0.05	ND		0.2	0.05	ND		0.2	0.05	ND		0.2	0.049

Notes:
All results are shown in mg/kg.
– = Does not apply.
CSCO = Table Part 375-6.8(b) Restricted Use – Commercial Soil Cleanup Objectives.
RSCO = Table Part 375-6.8(b) Restricted Use – Residential Soil Cleanup Objectives.
USCO = Table Part 375-6.8(b) Unrestricted Use – Soil Cleanup Objectives.
NA = No Standard.
Q = Result qualifier.
RL = Laboratory reporting limit.
MDL = Method detection limit.
J = Concentration is ≥ the MDL but ≤ the RL. Concentration is considered an estimate.

TABLE 9
Remedial Investigation - Subsurface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID (Sample Depth):				SB-10 (6-8) 032717				SB-10 (10-12) 032717				SB-11 (6-8) 032717				SB-11 (6-8) 032717 DUP				SB-12 (10-12) 032717				SB-13 (4-6) 032817				SB-14 (4-6) 032917			
COLLECTION DATE:				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/28/2017				3/29/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-butylphthalate	NA	100	NA	ND		0.2	0.037	ND		0.19	0.037	ND		0.2	0.038	ND		0.2	0.038	ND		0.2	0.038	ND		0.2	0.038	ND		0.2	0.037
Di-n-octylphthalate	NA	100	NA	ND		0.2	0.067	ND		0.19	0.066	ND		0.2	0.068	ND		0.2	0.068	ND		0.2	0.067	ND		0.2	0.067	ND		0.2	0.066
Diethyl phthalate	NA	100	NA	ND		0.2	0.018	ND		0.19	0.018	ND		0.2	0.018	ND		0.2	0.018	ND		0.2	0.018	ND		0.2	0.018	ND		0.2	0.018
Dimethyl phthalate	NA	100	NA	ND		0.2	0.041	ND		0.19	0.04	ND		0.2	0.042	ND		0.2	0.042	ND		0.2	0.042	ND		0.2	0.042	ND		0.2	0.041
Benzo(a)anthracene	5.6	1	1	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022	ND		0.12	0.022
Benzo(a)pyrene	1	1	1	ND		0.16	0.048	ND		0.15	0.047	ND		0.16	0.049	ND		0.16	0.048	ND		0.16	0.048	ND		0.16	0.048	ND		0.16	0.048
Benzo(b)fluoranthene	5.6	1	1	ND		0.12	0.033	ND		0.12	0.032	ND		0.12	0.034	ND		0.12	0.033	ND		0.12	0.033	ND		0.12	0.033	ND		0.12	0.033
Benzo(k)fluoranthene	56	1	0.8	ND		0.12	0.031	ND		0.12	0.031	ND		0.12	0.032	ND		0.12	0.032	ND		0.12	0.032	ND		0.12	0.032	ND		0.12	0.031
Chrysene	56	1	1	ND		0.12	0.02	ND		0.12	0.02	ND		0.12	0.021	ND		0.12	0.021	ND		0.12	0.021	ND		0.12	0.021	ND		0.12	0.02
Acenaphthylene	500	100	100	ND		0.16	0.03	ND		0.15	0.03	ND		0.16	0.031	ND		0.16	0.031	ND		0.16	0.031	ND		0.16	0.03	ND		0.16	0.03
Anthracene	500	100	100	ND		0.12	0.038	ND		0.12	0.038	ND		0.12	0.039	ND		0.12	0.039	ND		0.12	0.039	ND		0.12	0.039	ND		0.12	0.038
Benzo(ghi)perylene	500	100	100	ND		0.16	0.023	ND		0.15	0.023	ND		0.16	0.024	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023
Fluorene	500	100	30	ND		0.2	0.019	ND		0.19	0.019	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.019
Phenanthrene	500	100	100	ND		0.12	0.024	ND		0.12	0.023	ND		0.12	0.024	ND		0.12	0.024	ND		0.12	0.024	ND		0.12	0.024	ND		0.12	0.024
Dibenzo(a,h)anthracene	0.56	0.33	0.33	ND		0.12	0.023	ND		0.12	0.022	ND		0.12	0.023	ND		0.12	0.023	ND		0.12	0.023	ND		0.12	0.023	ND		0.12	0.022
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	ND		0.16	0.027	ND		0.15	0.027	ND		0.16	0.028	ND		0.16	0.028	ND		0.16	0.028	ND		0.16	0.028	ND		0.16	0.027
Pyrene	500	100	100	ND		0.12	0.019	ND		0.12	0.019	ND		0.12	0.02	ND		0.12	0.02	ND		0.12	0.02	ND		0.12	0.02	ND		0.12	0.019
Biphenyl	NA	NA	NA	ND		0.45	0.045	ND		0.44	0.045	ND		0.46	0.046	ND		0.45	0.046	ND		0.45	0.046	ND		0.45	0.046	ND		0.44	0.045
4-Chloroaniline	NA	100	NA	ND		0.2	0.036	ND		0.19	0.035	ND		0.2	0.036	ND		0.2	0.036	ND		0.2	0.036	ND		0.2	0.036	ND		0.2	0.036
2-Nitroaniline	NA	NA	NA	ND		0.2	0.038	ND		0.19	0.037	ND		0.2	0.039	ND		0.2	0.038	ND		0.2	0.038	ND		0.2	0.038	ND		0.2	0.038
3-Nitroaniline	NA	NA	NA	ND		0.2	0.037	ND		0.19	0.036	ND		0.2	0.038	ND		0.2	0.037	ND		0.2	0.037	ND		0.2	0.037	ND		0.2	0.037
4-Nitroaniline	NA	NA	NA	ND		0.2	0.081	ND		0.19	0.08	ND		0.2	0.083	ND		0.2	0.082	ND		0.2	0.082	ND		0.2	0.082	ND		0.2	0.081
Dibenzofuran	350	14	7	ND		0.2	0.018	ND		0.19	0.018	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.018
2-Methylnaphthalene	NA	NA	NA	ND		0.24	0.024	ND		0.23	0.023	ND		0.24	0.024	ND		0.24	0.024	ND		0.24	0.024	ND		0.24	0.024	ND		0.23	0.024
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND		0.2	0.02	ND		0.19	0.02	ND		0.2	0.021	ND		0.2	0.021	ND		0.2	0.021	ND		0.2	0.021	ND		0.2	0.02
Acetophenone	NA	NA	NA	ND		0.2	0.024	ND		0.19	0.024	ND		0.2	0.025	ND		0.2	0.025	ND		0.2	0.024	ND		0.2	0.024	ND		0.2	0.024
2,4,6-Trichlorophenol	NA	NA	NA	ND		0.12	0.037	ND		0.12	0.037	ND		0.12	0.038	ND		0.12	0.038	ND		0.12	0.038	ND		0.12	0.038	ND		0.12	0.037
p-Chloro-m-cresol	NA	NA	NA	ND		0.2	0.029	ND		0.19	0.029	ND		0.2	0.03	ND		0.2	0.03	ND		0.2	0.03	ND		0.2	0.03	ND		0.2	0.029
2-Chlorophenol	NA	100	NA	ND		0.2	0.023	ND		0.19	0.023	ND		0.2	0.024	ND		0.2	0.024	ND		0.2	0.023	ND		0.2	0.023	ND		0.2	0.023
2,4-Dichlorophenol	NA	100	NA	ND		0.18	0.032	ND		0.17	0.031	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.031
2,4-Dimethylphenol	NA	NA	NA	ND		0.2	0.065	ND		0.19	0.064	ND		0.2	0.066	ND		0.2	0.066	ND		0.2	0.065	ND		0.2	0.065	ND		0.2	0.064
2-Nitrophenol	NA	NA	NA	ND		0.42	0.074	ND		0.42	0.073	ND		0.43	0.075	ND		0.43	0.075	ND		0.43	0.074	ND		0.43	0.074	ND		0.42	0.073
4-Nitrophenol	NA	NA	NA	ND		0.27	0.08	ND		0.27	0.079	ND		0.28	0.082	ND		0.28	0.081	ND		0.28	0.081	ND		0.28	0.081	ND		0.27	0.08
2,4-Dinitrophenol	NA	100	NA	ND		0.94	0.091	ND		0.93	0.09	ND		0.96	0.093	ND		0.95	0.093	ND		0.95	0.092	ND		0.95	0.092	ND		0.94	0.091
4,6-Dinitro-o-cresol	NA	NA	NA	ND		0.51	0.094	ND		0.5	0.093	ND		0.52	0.096	ND		0.52	0.095	ND		0.52	0.095	ND		0.52	0.095	ND		0.51	0.094
Pentachlorophenol	6.7	2.4	0.8	ND		0.16	0.043	ND		0.15	0.042	ND		0.16	0.044	ND		0.16	0.044	ND		0.16	0.044	ND		0.16	0.044	ND		0.16	0.043
Phenol	500	100	0.33	ND		0.2	0.03	ND		0.19	0.029	ND		0.2	0.03	ND		0.2	0.03	ND		0.2	0.03	ND		0.2	0.03	ND		0.2	0.029
2-Methylphenol	500	100	0.33	ND		0.2	0.03	ND		0.19	0.03	ND		0.2	0.031	ND		0.2	0.031	ND		0.2	0.031	ND		0.2	0.031	ND		0.2	0.03
3-Methylphenol/4-Methylphenol	500	34	0.33	ND		0.28	0.031	ND		0.28	0.03	ND		0.29	0.031	ND		0.29	0.031	ND		0.28	0.031	ND		0.28	0.031	ND		0.28	0.03

Notes:
All results are shown in mg/kg.
– = Does not apply.
CSCO = Table Part 375-6.8(b) Restricted Use – Commercial Soil Cleanup Objectives.
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TABLE 9
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Rite Aid, 350 Niagara Street, Buffalo, New York

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COLLECTION DATE:				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/28/2017				3/29/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
2,4,5-Trichlorophenol	NA	100	NA	ND		0.2	0.038	ND		0.19	0.037	ND		0.2	0.038	ND		0.2	0.038	ND		0.2	0.038	ND		0.2	0.038	ND		0.2	0.037
Carbazole	NA	NA	NA	ND		0.2	0.019	ND		0.19	0.019	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.019
Atrazine	NA	NA	NA	ND		0.16	0.069	ND		0.15	0.068	ND		0.16	0.07	ND		0.16	0.07	ND		0.16	0.069	ND		0.16	0.069	ND		0.16	0.068
Benzaldehyde	NA	NA	NA	ND		0.26	0.053	ND		0.25	0.052	ND		0.26	0.054	ND		0.26	0.054	ND		0.26	0.054	ND		0.26	0.053	ND		0.26	0.053
Caprolactam	NA	NA	NA	ND		0.2	0.06	ND		0.19	0.059	ND		0.2	0.061	ND		0.2	0.06	ND		0.2	0.06	ND		0.2	0.06	ND		0.2	0.059
2,3,4,6-Tetrachlorophenol	NA	NA	NA	ND		0.2	0.04	ND		0.19	0.039	ND		0.2	0.04	ND		0.2	0.04	ND		0.2	0.04	ND		0.2	0.04	ND		0.2	0.039
Total SVOCs				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
No Tentatively Identified Compounds	NA	NA	NA	ND		0	0	ND		0	0	ND		0	0	ND		0	0	ND		0	0	ND		0	0	ND		0	0
CHLORINATED HERBICIDES BY GC																															
2,4-D	NA	100	NA	ND		0.196	0.0124	ND		0.195	0.0123	ND		0.205	0.0129	ND		0.2	0.0126	ND		0.201	0.0127	ND		0.197	0.0124	ND		0.197	0.0124
2,4,5-T	NA	100	NA	ND		0.196	0.00609	ND		0.195	0.00605	ND		0.205	0.00635	ND		0.2	0.00618	ND		0.201	0.00624	ND		0.197	0.00611	ND		0.197	0.00612
2,4,5-TP (Silvex)	500	58	3.8	ND		0.196	0.00522	ND		0.195	0.00519	ND		0.205	0.00545	ND		0.2	0.00531	ND		0.201	0.00535	ND		0.197	0.00524	ND		0.197	0.00525
ORGANOCHLORINE PESTICIDES BY GC																															
Delta-BHC	500	100	0.04	ND		0.00186	0.000365	ND		0.00183	0.000358	ND		0.00196	0.000384	ND		0.00189	0.000371	ND		0.00187	0.000367	ND		0.0019	0.00037	ND		0.00182	0.000357
Lindane	9.2	0.28	0.1	ND		0.00078	0.000347	ND		0.00076	0.000341	ND		0.00082	0.000365	ND		0.00079	0.000353	ND		0.00078	0.000349	ND		0.000792	0.00035	ND		0.00076	0.00034
Alpha-BHC	3.4	0.097	0.02	ND		0.00078	0.00022	ND		0.00076	0.000217	ND		0.00082	0.000232	ND		0.00079	0.000224	ND		0.00078	0.000222	ND		0.000792	0.00023	ND		0.00076	0.000216
Beta-BHC	3	0.072	0.036	ND		0.00186	0.000706	ND		0.00183	0.000694	ND		0.00196	0.000743	ND		0.00189	0.000718	ND		0.00187	0.000711	ND		0.0019	0.00072	ND		0.00182	0.000692
Heptachlor	15	0.42	0.042	ND		0.00093	0.000418	ND		0.00092	0.00041	ND		0.00098	0.00044	ND		0.00095	0.000424	ND		0.00094	0.00042	ND		0.00095	0.00043	ND		0.00091	0.000409
Aldrin	0.68	0.019	0.005	ND		0.00186	0.000656	ND		0.00183	0.000645	ND		0.00196	0.00069	ND		0.00189	0.000667	ND		0.00187	0.00066	ND		0.0019	0.00067	ND		0.00182	0.000642
Heptachlor epoxide	NA	0.077	NA	ND		0.00349	0.00105	ND		0.00343	0.00103	ND		0.00368	0.0011	ND		0.00355	0.00106	ND		0.00351	0.00105	ND		0.00356	0.00107	ND		0.00342	0.00102
Endrin	89	2.2	0.014	ND		0.00078	0.000318	ND		0.00076	0.000313	ND		0.00082	0.000335	ND		0.00079	0.000324	ND		0.00078	0.00032	ND		0.000792	0.00033	ND		0.00076	0.000312
Endrin aldehyde	NA	NA	NA	ND		0.00233	0.000815	ND		0.00229	0.000801	ND		0.00245	0.000858	ND		0.00237	0.000828	ND		0.00234	0.00082	ND		0.00238	0.00083	ND		0.00228	0.000798
Endrin ketone	NA	NA	NA	ND		0.00186	0.00048	ND		0.00183	0.000471	ND		0.00196	0.000505	ND		0.00189	0.000488	ND		0.00187	0.000483	ND		0.0019	0.00049	ND		0.00182	0.00047
Dieldrin	1.4	0.039	0.005	ND		0.00116	0.000582	ND		0.00114	0.000572	ND		0.00122	0.000613	ND		0.00118	0.000592	ND		0.00117	0.000586	ND		0.00119	0.00059	ND		0.00114	0.00057
4,4'-DDE	62	1.8	0.0033	ND		0.00186	0.000431	ND		0.00183	0.000423	ND		0.00196	0.000453	ND		0.00189	0.000438	ND		0.00187	0.000433	ND		0.0019	0.00044	ND		0.00182	0.000422
4,4'-DDD	92	2.6	0.0033	ND		0.00186	0.000664	ND		0.00183	0.000653	ND		0.00196	0.000699	ND		0.00189	0.000675	ND		0.00187	0.000668	ND		0.0019	0.00068	ND		0.00182	0.00065
4,4'-DDT	47	1.7	0.0033	ND		0.00349	0.0015	ND		0.00343	0.00147	ND		0.00368	0.00158	ND		0.00355	0.00152	ND		0.00351	0.00151	ND		0.00356	0.00153	ND		0.00342	0.00147
Endosulfan I	200	4.8	2.4	ND		0.00186	0.00044	ND		0.00183	0.000432	ND		0.00196	0.000463	ND		0.00189	0.000447	ND		0.00187	0.000443	ND		0.0019	0.00045	ND		0.00182	0.000431
Endosulfan II	200	4.8	2.4	ND		0.00186	0.000622	ND		0.00183	0.000612	ND		0.00196	0.000655	ND		0.00189	0.000633	ND		0.00187	0.000626	ND		0.0019	0.00064	ND		0.00182	0.000609
Endosulfan sulfate	200	4.8	2.4	ND		0.00078	0.000369	ND		0.00076	0.000363	ND		0.00082	0.000389	ND		0.00079	0.000376	ND		0.00078	0.000372	ND		0.000792	0.00038	ND		0.00076	0.000362
Methoxychlor	NA	NA	NA	ND		0.00349	0.00109	ND		0.00343	0.00107	ND		0.00368	0.00114	ND		0.00355	0.0011	ND		0.00351	0.00109	ND		0.00356	0.00111	ND		0.00342	0.00106
Toxaphene	NA	NA	NA	ND		0.0349	0.00978	ND		0.0343	0.00961	ND		0.0368	0.0103	ND		0.0355	0.00994	ND		0.0351	0.00984	ND		0.0356	0.00998	ND		0.0342	0.00957
cis-Chlordane	24	0.91	0.094	ND		0.00233	0.000649	ND		0.00229	0.000638	ND		0.00245	0.000683	ND		0.00237	0.00066	ND		0.00234	0.000653	ND		0.00238	0.00066	ND		0.00228	0.000635
trans-Chlordane	NA	NA	NA	ND		0.00233	0.000615	ND		0.00229	0.000604	ND		0.00245	0.000647	ND		0.00237	0.000625	ND		0.00234	0.000619	ND		0.00238	0.00063	ND		0.00228	0.000602
Chlordane	NA	NA	NA	ND		0.0151	0.00617	ND		0.0149	0.00606	ND		0.0159	0.0065	ND		0.0154	0.00627	ND		0.0152	0.00621	ND		0.0154	0.00629	ND		0.0148	0.00604
POLYCHLORINATED BIPHENYLS BY GC																															
Aroclor 1016	1	1	0.1	ND		0.0383	0.00302	ND		0.0394	0.00311	ND		0.0394	0.00312	ND		0.0394	0.00311	ND		0.0396	0.00313	ND		0.0394	0.00311	ND		0.0397	0.00314
Aroclor 1221	1	1	0.1	ND		0.0383	0.00353	ND		0.0394	0.00363	ND		0.0394	0.00364	ND		0.0394	0.00364	ND		0.0396	0.00365	ND		0.0394	0.00363	ND		0.0397	0.00366
Aroclor 1232	1	1	0.1	ND		0.0383	0.00449	ND		0.0394	0.00461	ND		0.0394	0.00462	ND		0.0394	0.00462	ND		0.0396	0.00464	ND		0.0394	0.00462	ND		0.0397	0.00466

Notes:
All results are shown in mg/kg.
– = Does not apply.
CSCO = Table Part 375-6.8(b) Restricted Use – Commercial Soil Cleanup Objectives.
RSCO = Table Part 375-6.8(b) Restricted Use – Residential Soil Cleanup Objectives.
USCO = Table Part 375-6.8(b) Unrestricted Use – Soil Cleanup Objectives.
NA = No Standard.
Q = Result qualifier.
RL = Laboratory reporting limit.
MDL = Method detection limit.
J = Concentration is ≥ the MDL but ≤ the RL. Concentration is considered an estimate.

TABLE 9
Remedial Investigation - Subsurface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID (Sample Depth):				SB-10 (6-8) 032717				SB-10 (10-12) 032717				SB-11 (6-8) 032717				SB-11 (6-8) 032717 DUP				SB-12 (10-12) 032717				SB-13 (4-6) 032817				SB-14 (4-6) 032917			
COLLECTION DATE:				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/27/2017				3/28/2017				3/29/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Aroclor 1242	1	1	0.1	ND		0.0383	0.00469	ND		0.0394	0.00482	ND		0.0394	0.00483	ND		0.0394	0.00482	ND		0.0396	0.00485	ND		0.0394	0.00482	ND		0.0397	0.00486
Aroclor 1248	1	1	0.1	ND		0.0383	0.00323	ND		0.0394	0.00332	ND		0.0394	0.00333	ND		0.0394	0.00333	ND		0.0396	0.00334	ND		0.0394	0.00332	ND		0.0397	0.00335
Aroclor 1254	1	1	0.1	ND		0.0383	0.00315	ND		0.0394	0.00323	ND		0.0394	0.00324	ND		0.0394	0.00324	ND		0.0396	0.00326	ND		0.0394	0.00324	ND		0.0397	0.00327
Aroclor 1260	1	1	0.1	ND		0.0383	0.00292	ND		0.0394	0.003	ND		0.0394	0.003	ND		0.0394	0.003	ND		0.0396	0.00302	ND		0.0394	0.003	ND		0.0397	0.00303
Aroclor 1262	1	1	0.1	ND		0.0383	0.0019	ND		0.0394	0.00195	ND		0.0394	0.00196	ND		0.0394	0.00196	ND		0.0396	0.00196	ND		0.0394	0.00195	ND		0.0397	0.00197
Aroclor 1268	1	1	0.1	ND		0.0383	0.00555	ND		0.0394	0.00571	ND		0.0394	0.00572	ND		0.0394	0.00572	ND		0.0396	0.00575	ND		0.0394	0.00571	ND		0.0397	0.00576
PCBs, Total	NA	NA	NA	ND		0.0383	0.0019	ND		0.0394	0.00195	ND		0.0394	0.00196	ND		0.0394	0.00196	ND		0.0396	0.00196	ND		0.0394	0.00195	ND		0.0397	0.00197
TOTAL METALS																															
Aluminum, Total	NA	NA	NA	7900		9.3	2.5	5100		9.2	2.5	3400		9.7	2.6	3300		9.5	2.6	9000		9.4	2.5	11000		9.4	2.5	5200		9	2.4
Antimony, Total	NA	NA	NA	ND		4.7	0.35	ND		4.6	0.35	ND		4.8	0.37	ND		4.8	0.36	ND		4.7	0.36	ND		4.7	0.36	ND		4.5	0.34
Arsenic, Total	16	16	13	3.2		0.93	0.19	2.7		0.92	0.19	1.6		0.97	0.2	1.5		0.95	0.2	2.8		0.94	0.2	4.4		0.94	0.2	2.7		0.9	0.19
Barium, Total	400	350	350	63		0.93	0.16	39		0.92	0.16	16		0.97	0.17	16		0.95	0.17	58		0.94	0.16	69		0.94	0.16	40		0.9	0.16
Beryllium, Total	590	14	7.2	0.27	J	0.47	0.03	0.14	J	0.46	0.03	0.06	J	0.48	0.03	0.07	J	0.48	0.03	0.3	J	0.47	0.03	0.42	J	0.47	0.03	0.14	J	0.45	0.03
Cadmium, Total	9.3	2.5	2.5	ND		0.93	0.09	ND		0.92	0.09	ND		0.97	0.1	ND		0.95	0.09	ND		0.94	0.09	ND		0.94	0.09	ND		0.9	0.09
Calcium, Total	NA	NA	NA	57000		9.3	3.3	50000		9.2	3.2	45000		9.7	3.4	46000		9.5	3.3	59000		9.4	3.3	1600		9.4	3.3	51000		9	3.2
Chromium, Total	NA	NA	NA	12		0.93	0.09	8.4		0.92	0.09	5.7		0.97	0.09	5.4		0.95	0.09	14		0.94	0.09	15		0.94	0.09	13		0.9	0.09
Cobalt, Total	NA	30	NA	6.8		1.9	0.15	4.6		1.8	0.15	2.8		1.9	0.16	3.1		1.9	0.16	7.9		1.9	0.16	7		1.9	0.16	4.8		1.8	0.15
Copper, Total	270	270	50	14		0.93	0.24	11		0.92	0.24	8.1		0.97	0.25	8.4		0.95	0.25	16		0.94	0.24	11		0.94	0.24	11		0.9	0.23
Iron, Total	NA	2000	NA	15000		4.7	0.84	11000		4.6	0.83	8100		4.8	0.87	8100		4.8	0.86	17000		4.7	0.85	17000		4.7	0.85	12000		4.5	0.82
Lead, Total	1000	400	63	12		4.7	0.25	8.4		4.6	0.24	9.6		4.8	0.26	9.8		4.8	0.26	12		4.7	0.25	11		4.7	0.25	11		4.5	0.24
Magnesium, Total	NA	NA	NA	20000		9.3	1.4	19000		9.2	1.4	22000		9.7	1.5	22000		9.5	1.5	20000		9.4	1.4	2700		9.4	1.4	20000		9	1.4
Manganese, Total	10000	2000	1600	400		0.93	0.15	300		0.92	0.14	280		0.97	0.15	320		0.95	0.15	440		0.94	0.15	700		0.94	0.15	320		0.9	0.14
Mercury, Total	2.8	0.81	0.18	0.03	J	0.08	0.02	0.03	J	0.08	0.02	0.02	J	0.08	0.02	0.02	J	0.08	0.02	0.03	J	0.08	0.02	0.04	J	0.08	0.02	0.02	J	0.08	0.02
Nickel, Total	310	140	30	15		2.3	0.22	10		2.3	0.22	5.8		2.4	0.23	6		2.4	0.23	16		2.4	0.23	14		2.3	0.23	10		2.2	0.22
Potassium, Total	NA	NA	NA	1100		230	13	740		230	13	480		240	14	460		240	14	1300		240	14	930		230	14	760		220	13
Selenium, Total	1500	36	3.9	0.32	J	1.9	0.24	ND		1.8	0.24	ND		1.9	0.25	ND		1.9	0.25	ND		1.9	0.24	ND		1.9	0.24	ND		1.8	0.23
Silver, Total	1500	36	2	ND		0.93	0.26	ND		0.92	0.26	ND		0.97	0.27	ND		0.95	0.27	ND		0.94	0.27	ND		0.94	0.26	ND		0.9	0.26
Sodium, Total	NA	NA	NA	120	J	190	2.9	120	J	180	2.9	240		190	3	230		190	3	370		190	3	480		190	3	300		180	2.8
Thallium, Total	NA	NA	NA	ND		1.9	0.29	ND		1.8	0.29	ND		1.9	0.3	ND		1.9	0.3	ND		1.9	0.3	ND		1.9	0.3	ND		1.8	0.28
Vanadium, Total	NA	100	NA	17		0.93	0.19	14		0.92	0.18	10		0.97	0.2	11		0.95	0.19	20		0.94	0.19	22		0.94	0.19	14		0.9	0.18
Zinc, Total	10000	2200	109	52		4.7	0.27	60		4.6	0.27	50		4.8	0.28	49		4.8	0.28	56		4.7	0.28	57		4.7	0.28	43		4.5	0.26
GENERAL CHEMISTRY																															
Solids, Total	NA	NA	NA	84.2		0.1	NA	83.7		0.1	NA	80.9		0.1	NA	82.4		0.1	NA	81.6		0.1	NA	83.2		0.1	NA	83.5		0.1	NA
Cyanide, Total	27	27	27	ND		4.3	0.72	ND		1.1	0.18	ND		1.2	0.2	ND		1.2	0.19	ND		1.2	0.19	0.22	J	1.1	0.19	ND		4.5	0.75

Notes:
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USCO = Table Part 375-6.8(b) Unrestricted Use – Soil Cleanup Objectives.
NA = No Standard.
Q = Result qualifier.
RL = Laboratory reporting limit.
MDL = Method detection limit.
J = Concentration is ≥ the MDL but ≤ the RL. Concentration is considered an estimate.

TABLE 9
Remedial Investigation - Subsurface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID (Sample Depth):				TP-1 (8) 033017				TP-2 (6) 033017				TP-3 (8) 033017				TP-4 (5) 033017				TP-4 (5) 033017				TP-5 (8) 033017				TP-6 (8) 033017			
COLLECTION DATE:				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																				-	-	-	-								
Methylene chloride	500	51	0.05	ND		0.011	0.0019	ND		0.011	0.0019	ND		0.012	0.002	ND		0.0099	0.0016	-		-	-	ND		0.013	0.0021	ND		0.012	0.002
1,1-Dichloroethane	240	19	0.27	ND		0.0017	0.00031	ND		0.0017	0.0003	ND		0.0018	0.00033	ND		0.0015	0.00027	-		-	-	ND		0.0019	0.00034	ND		0.0018	0.00033
Chloroform	350	10	0.37	ND		0.0017	0.00042	ND		0.0017	0.00042	ND		0.0018	0.00045	ND		0.0015	0.00037	-		-	-	ND		0.0019	0.00047	ND		0.0018	0.00045
Carbon tetrachloride	22	1.4	0.76	ND		0.0011	0.00039	ND		0.0011	0.00039	ND		0.0012	0.00042	ND		0.00099	0.00034	-		-	-	ND		0.0013	0.00044	ND		0.0012	0.00042
1,2-Dichloropropane	NA	NA	NA	ND		0.004	0.00026	ND		0.004	0.00026	ND		0.0042	0.00028	ND		0.0035	0.00023	-		-	-	ND		0.0045	0.00029	ND		0.0042	0.00028
Dibromochloromethane	NA	NA	NA	ND		0.0011	0.0002	ND		0.0011	0.0002	ND		0.0012	0.00021	ND		0.00099	0.00017	-		-	-	ND		0.0013	0.00022	ND		0.0012	0.00021
1,1,2-Trichloroethane	NA	NA	NA	ND		0.0017	0.00036	ND		0.0017	0.00035	ND		0.0018	0.00038	ND		0.0015	0.00031	-		-	-	ND		0.0019	0.0004	ND		0.0018	0.00038
Tetrachloroethene	150	5.5	1.3	ND		0.0011	0.00034	ND		0.0011	0.00034	ND		0.0012	0.00037	ND		0.00099	0.0003	-		-	-	ND		0.0013	0.00039	ND		0.0012	0.00037
Chlorobenzene	500	100	1.1	ND		0.0011	0.0004	ND		0.0011	0.00039	ND		0.0012	0.00042	ND		0.00099	0.00034	-		-	-	ND		0.0013	0.00044	ND		0.0012	0.00042
Trichlorofluoromethane	NA	NA	NA	ND		0.0057	0.00047	ND		0.0056	0.00047	ND		0.0061	0.00051	ND		0.005	0.00041	-		-	-	ND		0.0064	0.00053	ND		0.0061	0.0005
1,2-Dichloroethane	30	2.3	0.02	ND		0.0011	0.00028	ND		0.0011	0.00028	ND		0.0012	0.0003	ND		0.00099	0.00024	-		-	-	ND		0.0013	0.00031	ND		0.0012	0.0003
1,1,1-Trichloroethane	500	100	0.68	ND		0.0011	0.0004	ND		0.0011	0.0004	ND		0.0012	0.00042	ND		0.00099	0.00035	-		-	-	ND		0.0013	0.00045	ND		0.0012	0.00042
Bromodichloromethane	NA	NA	NA	ND		0.0011	0.00035	ND		0.0011	0.00035	ND		0.0012	0.00037	ND		0.00099	0.0003	-		-	-	ND		0.0013	0.00039	ND		0.0012	0.00037
trans-1,3-Dichloropropene	NA	NA	NA	ND		0.0011	0.00024	ND		0.0011	0.00024	ND		0.0012	0.00025	ND		0.00099	0.00021	-		-	-	ND		0.0013	0.00026	ND		0.0012	0.00025
cis-1,3-Dichloropropene	NA	NA	NA	ND		0.0011	0.00026	ND		0.0011	0.00026	ND		0.0012	0.00028	ND		0.00099	0.00023	-		-	-	ND		0.0013	0.0003	ND		0.0012	0.00028
Bromoform	NA	NA	NA	ND		0.0045	0.00027	ND		0.0045	0.00027	ND		0.0049	0.00029	ND		0.004	0.00024	-		-	-	ND		0.0051	0.0003	ND		0.0048	0.00029
1,1,2,2-Tetrachloroethane	NA	35	NA	ND		0.0011	0.00034	ND		0.0011	0.00034	ND		0.0012	0.00036	ND		0.00099	0.0003	-		-	-	ND		0.0013	0.00038	ND		0.0012	0.00036
Benzene	44	2.9	0.06	ND		0.0011	0.00022	ND		0.0011	0.00022	ND		0.0012	0.00023	ND		0.00099	0.00019	-		-	-	ND		0.0013	0.00025	ND		0.0012	0.00023
Toluene	500	100	0.7	ND		0.0017	0.00022	ND		0.0017	0.00022	ND		0.0018	0.00024	ND		0.0015	0.00019	-		-	-	ND		0.0019	0.00025	ND		0.0018	0.00024
Ethylbenzene	390	30	1	ND		0.0011	0.00019	ND		0.0011	0.00019	ND		0.0012	0.00021	ND		0.00099	0.00017	-		-	-	ND		0.0013	0.00022	ND		0.0012	0.00021
Chloromethane	NA	NA	NA	0.00067	J	0.0057	0.0005	ND		0.0056	0.00049	ND		0.0061	0.00053	ND		0.005	0.00043	-		-	-	ND		0.0064	0.00056	ND		0.0061	0.00053
Bromomethane	NA	NA	NA	ND		0.0023	0.00038	ND		0.0023	0.00038	ND		0.0024	0.00041	ND		0.002	0.00034	-		-	-	ND		0.0026	0.00043	ND		0.0024	0.00041
Vinyl chloride	13	0.21	0.02	ND		0.0023	0.00036	ND		0.0023	0.00036	ND		0.0024	0.00038	ND		0.002	0.00031	-		-	-	ND		0.0026	0.0004	ND		0.0024	0.00038
Chloroethane	NA	NA	NA	ND		0.0023	0.00036	ND		0.0023	0.00036	ND		0.0024	0.00038	ND		0.002	0.00031	-		-	-	ND		0.0026	0.0004	ND		0.0024	0.00038
1,1-Dichloroethene	500	100	0.33	ND		0.0011	0.00042	ND		0.0011	0.00042	ND		0.0012	0.00045	ND		0.00099	0.00037	-		-	-	ND		0.0013	0.00048	ND		0.0012	0.00045
trans-1,2-Dichloroethene	500	100	0.19	ND		0.0017	0.00027	ND		0.0017	0.00027	ND		0.0018	0.00029	ND		0.0015	0.00024	-		-	-	ND		0.0019	0.00031	ND		0.0018	0.00029
Trichloroethene	200	10	0.47	ND		0.0011	0.00034	ND		0.0011	0.00034	ND		0.0012	0.00037	ND		0.00099	0.0003	-		-	-	ND		0.0013	0.00039	ND		0.0012	0.00037
1,2-Dichlorobenzene	500	100	1.1	ND		0.0057	0.00021	ND		0.0056	0.0002	ND		0.0061	0.00022	ND		0.005	0.00018	-		-	-	ND		0.0064	0.00023	ND		0.0061	0.00022
1,3-Dichlorobenzene	280	17	2.4	ND		0.0057	0.00025	ND		0.0056	0.00025	ND		0.0061	0.00026	ND		0.005	0.00022	-		-	-	ND		0.0064	0.00028	ND		0.0061	0.00026
1,4-Dichlorobenzene	130	9.8	1.8	ND		0.0057	0.00021	ND		0.0056	0.0002	ND		0.0061	0.00022	ND		0.005	0.00018	-		-	-	ND		0.0064	0.00023	ND		0.0061	0.00022
Methyl tert butyl ether	500	62	0.93	ND		0.0023	0.00017	ND		0.0023	0.00017	ND		0.0024	0.00019	ND		0.002	0.00015	-		-	-	ND		0.0026	0.0002	ND		0.0024	0.00018
p/m-Xylene	NA	NA	NA	ND		0.0023	0.0004	ND		0.0023	0.0004	ND		0.0024	0.00043	ND		0.002	0.00035	-		-	-	ND		0.0026	0.00045	ND		0.0024	0.00042
o-Xylene	NA	NA	NA	ND		0.0023	0.00038	ND		0.0023	0.00038	ND		0.0024	0.00041	ND		0.002	0.00034	-		-	-	ND		0.0026	0.00043	ND		0.0024	0.00041
cis-1,2-Dichloroethene	500	59	0.25	ND		0.0011	0.00039	ND		0.0011	0.00039	ND		0.0012	0.00042	ND		0.00099	0.00034	-		-	-	ND		0.0013	0.00044	ND		0.0012	0.00041
Styrene	NA	NA	NA	ND		0.0023	0.00046	ND		0.0023	0.00045	ND		0.0024	0.00049	ND		0.002	0.0004	-		-	-	ND		0.0026	0.00051	ND		0.0024	0.00049
Dichlorodifluoromethane	NA	NA	NA	ND		0.011	0.00057	ND		0.011	0.00056	ND		0.012	0.00061	ND		0.0099	0.0005	-		-	-	ND		0.013	0.00064	ND		0.012	0.00061
Acetone	500	100	0.05	0.0042	J	0.011	0.0026	ND		0.011	0.0026	0.084		0.012	0.0028	ND		0.0099	0.0023	-		-	-	ND		0.013	0.0029	ND		0.012	0.0028
Carbon disulfide	NA	100	NA	ND		0.011	0.0012	ND		0.011	0.0012	0.0021	J	0.012	0.0013	ND		0.0099	0.0011	-		-	-	ND		0.013	0.0014	ND		0.012	0.0013

Notes:
All results are shown in mg/kg.
– = Does not apply.
CSCO = Table Part 375-6.8(b) Restricted Use – Commercial Soil Cleanup Objectives.
RSCO = Table Part 375-6.8(b) Restricted Use – Residential Soil Cleanup Objectives.
USCO = Table Part 375-6.8(b) Unrestricted Use – Soil Cleanup Objectives.
NA = No Standard.
Q = Result qualifier.
RL = Laboratory reporting limit.
MDL = Method detection limit.
J = Concentration is ≥ the MDL but ≤ the RL. Concentration is considered an estimate.

TABLE 9
Remedial Investigation - Subsurface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID (Sample Depth):				TP-1 (8) 033017				TP-2 (6) 033017				TP-3 (8) 033017				TP-4 (5) 033017				TP-4 (5) 033017				TP-5 (8) 033017				TP-6 (8) 033017			
COLLECTION DATE:				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
2-Butanone	500	100	0.12	ND		0.011	0.00078	ND		0.011	0.00078	0.0073	J	0.012	0.00084	ND		0.0099	0.00068	-		-	-	ND		0.013	0.00088	ND		0.012	0.00084
4-Methyl-2-pentanone	NA	NA	NA	ND		0.011	0.00028	ND		0.011	0.00028	ND		0.012	0.0003	ND		0.0099	0.00024	-		-	-	ND		0.013	0.00031	ND		0.012	0.0003
2-Hexanone	NA	NA	NA	ND		0.011	0.00076	ND		0.011	0.00075	ND		0.012	0.00081	ND		0.0099	0.00066	-		-	-	ND		0.013	0.00085	ND		0.012	0.00081
Bromochloromethane	NA	NA	NA	ND		0.0057	0.0004	ND		0.0056	0.0004	ND		0.0061	0.00043	ND		0.005	0.00035	-		-	-	ND		0.0064	0.00046	ND		0.0061	0.00043
1,2-Dibromoethane	NA	NA	NA	ND		0.0045	0.00023	ND		0.0045	0.00022	ND		0.0049	0.00024	ND		0.004	0.0002	-		-	-	ND		0.0051	0.00025	ND		0.0048	0.00024
1,2-Dibromo-3-chloropropane	NA	NA	NA	ND		0.0057	0.00045	ND		0.0056	0.00045	ND		0.0061	0.00048	ND		0.005	0.00039	-		-	-	ND		0.0064	0.00051	ND		0.0061	0.00048
Isopropylbenzene	NA	100	NA	ND		0.0011	0.00022	ND		0.0011	0.00022	ND		0.0012	0.00024	ND		0.00099	0.00019	-		-	-	ND		0.0013	0.00025	ND		0.0012	0.00024
1,2,3-Trichlorobenzene	NA	NA	NA	ND		0.0057	0.00028	ND		0.0056	0.00028	ND		0.0061	0.0003	ND		0.005	0.00025	-		-	-	ND		0.0064	0.00032	ND		0.0061	0.0003
1,2,4-Trichlorobenzene	NA	NA	NA	ND		0.0057	0.00024	ND		0.0056	0.00024	ND		0.0061	0.00026	ND		0.005	0.00021	-		-	-	ND		0.0064	0.00027	ND		0.0061	0.00026
Methyl Acetate	NA	NA	NA	ND		0.023	0.00053	ND		0.023	0.00052	ND		0.024	0.00056	ND		0.02	0.00046	-		-	-	ND		0.026	0.00059	ND		0.024	0.00056
Cyclohexane	NA	NA	NA	ND		0.023	0.00049	ND		0.023	0.00049	ND		0.024	0.00053	ND		0.02	0.00043	-		-	-	ND		0.026	0.00055	ND		0.024	0.00052
1,4-Dioxane	130	9.8	0.1	ND		0.045	0.016	ND		0.045	0.016	ND		0.049	0.018	ND		0.04	0.014	-		-	-	ND		0.051	0.018	ND		0.048	0.017
Freon-113	NA	100	NA	ND		0.023	0.00058	ND		0.023	0.00058	ND		0.024	0.00062	ND		0.02	0.00051	-		-	-	ND		0.026	0.00066	ND		0.024	0.00062
Methyl cyclohexane	NA	NA	NA	ND		0.0045	0.00027	ND		0.0045	0.00027	ND		0.0049	0.00029	ND		0.004	0.00024	-		-	-	ND		0.0051	0.00031	ND		0.0048	0.00029
Total VOCs				0.00487	-	-	-	-	-	-	-	0.0934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds	NA	NA	NA	0.01007	J	0	0	0.0063	J	0	0	0.00266	J	0	0	0.00765	J	0	0	-		-	-	0.00528	J	0	0	-	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS																				-	-	-	-								
Acenaphthene	500	100	20	ND		0.15	0.02	ND		0.16	0.02	ND		0.17	0.022	2.3		0.15	0.019	-	-	-	-	ND		0.18	0.023	ND		0.17	0.022
Hexachlorobenzene	6	0.41	0.33	ND		0.12	0.022	ND		0.12	0.022	ND		0.13	0.024	ND		0.11	0.021	-		-	-	ND		0.13	0.025	ND		0.12	0.023
Bis(2-chloroethyl)ether	NA	NA	NA	ND		0.17	0.026	ND		0.18	0.027	ND		0.19	0.029	ND		0.17	0.025	-		-	-	ND		0.2	0.03	ND		0.19	0.028
2-Chloronaphthalene	NA	NA	NA	ND		0.19	0.019	ND		0.2	0.02	ND		0.22	0.021	ND		0.19	0.018	-		-	-	ND		0.22	0.022	ND		0.21	0.021
3,3'-Dichlorobenzidine	NA	NA	NA	ND		0.19	0.051	ND		0.2	0.053	ND		0.22	0.058	ND		0.19	0.049	-		-	-	ND		0.22	0.058	ND		0.21	0.056
2,4-Dinitrotoluene	NA	NA	NA	ND		0.19	0.038	ND		0.2	0.04	ND		0.22	0.043	ND		0.19	0.037	-		-	-	ND		0.22	0.044	ND		0.21	0.042
2,6-Dinitrotoluene	NA	1.03	NA	ND		0.19	0.033	ND		0.2	0.034	ND		0.22	0.037	ND		0.19	0.032	-		-	-	ND		0.22	0.038	ND		0.21	0.036
Fluoranthene	500	100	100	ND		0.12	0.022	0.052	J	0.12	0.023	ND		0.13	0.025	12	E	0.11	0.021	16		0.45	0.085	ND		0.13	0.025	ND		0.12	0.024
4-Chlorophenyl phenyl ether	NA	NA	NA	ND		0.19	0.021	ND		0.2	0.021	ND		0.22	0.023	ND		0.19	0.02	-		-	-	ND		0.22	0.024	ND		0.21	0.022
4-Bromophenyl phenyl ether	NA	NA	NA	ND		0.19	0.029	ND		0.2	0.03	ND		0.22	0.033	ND		0.19	0.028	-		-	-	ND		0.22	0.034	ND		0.21	0.032
Bis(2-chloroisopropyl)ether	NA	NA	NA	ND		0.23	0.033	ND		0.24	0.034	ND		0.26	0.037	ND		0.22	0.032	-		-	-	ND		0.26	0.038	ND		0.25	0.036
Bis(2-chloroethoxy)methane	NA	NA	NA	ND		0.21	0.019	ND		0.21	0.02	ND		0.23	0.022	ND		0.2	0.019	-		-	-	ND		0.24	0.022	ND		0.23	0.021
Hexachlorobutadiene	NA	NA	NA	ND		0.19	0.028	ND		0.2	0.029	ND		0.22	0.032	ND		0.19	0.027	-		-	-	ND		0.22	0.032	ND		0.21	0.031
Hexachlorocyclopentadiene	NA	NA	NA	ND		0.55	0.17	ND		0.57	0.18	ND		0.62	0.2	ND		0.53	0.17	-		-	-	ND		0.63	0.2	ND		0.6	0.19
Hexachloroethane	NA	NA	NA	ND		0.15	0.031	ND		0.16	0.032	ND		0.17	0.035	ND		0.15	0.03	-		-	-	ND		0.18	0.036	ND		0.17	0.034
Isophorone	NA	100	NA	ND		0.17	0.025	ND		0.18	0.026	ND		0.19	0.028	ND		0.17	0.024	-		-	-	ND		0.2	0.028	ND		0.19	0.027
Naphthalene	500	100	12	ND		0.19	0.023	ND		0.2	0.024	ND		0.22	0.026	3.2		0.19	0.023	-	-	-	-	ND		0.22	0.027	ND		0.21	0.026
Nitrobenzene	69	3.7	NA	ND		0.17	0.028	ND		0.18	0.029	ND		0.19	0.032	ND		0.17	0.028	-		-	-	ND		0.2	0.032	ND		0.19	0.031
NDPA/DPA	NA	NA	NA	ND		0.15	0.022	ND		0.16	0.022	ND		0.17	0.025	ND		0.15	0.021	-		-	-	ND		0.18	0.025	ND		0.17	0.024
n-Nitrosodi-n-propylamine	NA	NA	NA	ND		0.19	0.03	ND		0.2	0.031	ND		0.22	0.033	ND		0.19	0.029	-		-	-	ND		0.22	0.034	ND		0.21	0.032
Bis(2-ethylhexyl)phthalate	NA	50	NA	ND		0.19	0.067	ND		0.2	0.068	ND		0.22	0.075	0.067	J	0.19	0.064	-		-	-	ND		0.22	0.076	ND		0.21	0.072
Butyl benzyl phthalate	NA	100	NA	ND		0.19	0.048	ND		0.2	0.05	ND		0.22	0.054	ND		0.19	0.047	-		-	-	ND		0.22	0.055	ND		0.21	0.053

Notes:
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RL = Laboratory reporting limit.
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TABLE 9
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Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID (Sample Depth):				TP-1 (8) 033017				TP-2 (6) 033017				TP-3 (8) 033017				TP-4 (5) 033017				TP-4 (5) 033017				TP-5 (8) 033017				TP-6 (8) 033017			
COLLECTION DATE:				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-butylphthalate	NA	100	NA	ND		0.19	0.036	ND		0.2	0.038	ND		0.22	0.041	ND		0.19	0.035	-		-	-	ND		0.22	0.042	ND		0.21	0.04
Di-n-octylphthalate	NA	100	NA	ND		0.19	0.065	ND		0.2	0.067	ND		0.22	0.074	ND		0.19	0.063	-		-	-	ND		0.22	0.075	ND		0.21	0.071
Diethyl phthalate	NA	100	NA	ND		0.19	0.018	ND		0.2	0.018	ND		0.22	0.02	ND		0.19	0.017	-		-	-	ND		0.22	0.02	ND		0.21	0.019
Dimethyl phthalate	NA	100	NA	ND		0.19	0.04	ND		0.2	0.042	ND		0.22	0.045	ND		0.19	0.039	-		-	-	ND		0.22	0.046	ND		0.21	0.044
Benzo(a)anthracene	5.6	1	1	ND		0.12	0.022	0.044	J	0.12	0.022	ND		0.13	0.024	7.9	E	0.11	0.021	6.5		0.45	0.084	ND		0.13	0.025	ND		0.12	0.024
Benzo(a)pyrene	1	1	1	ND		0.15	0.047	ND		0.16	0.048	ND		0.17	0.053	7.3		0.15	0.045	-	-	-	-	ND		0.18	0.054	ND		0.17	0.051
Benzo(b)fluoranthene	5.6	1	1	ND		0.12	0.032	0.041	J	0.12	0.033	ND		0.13	0.036	9.5	E	0.11	0.031	7.2		0.45	0.12	ND		0.13	0.037	ND		0.12	0.035
Benzo(k)fluoranthene	56	1	0.8	ND		0.12	0.031	ND		0.12	0.032	ND		0.13	0.035	2.6		0.11	0.03	-	-	-	-	ND		0.13	0.035	ND		0.12	0.034
Chrysene	56	1	1	ND		0.12	0.02	0.039	J	0.12	0.021	ND		0.13	0.022	6.8		0.11	0.019	-	-	-	-	ND		0.13	0.023	ND		0.12	0.022
Acenaphthylene	500	100	100	ND		0.15	0.03	ND		0.16	0.031	ND		0.17	0.033	0.19		0.15	0.029	-	-	-	-	ND		0.18	0.034	ND		0.17	0.032
Anthracene	500	100	100	ND		0.12	0.038	ND		0.12	0.039	ND		0.13	0.042	4.2		0.11	0.036	-	-	-	-	ND		0.13	0.043	ND		0.12	0.041
Benzo(ghi)perylene	500	100	100	ND		0.15	0.023	ND		0.16	0.023	ND		0.17	0.025	3.5		0.15	0.022	-	-	-	-	ND		0.18	0.026	ND		0.17	0.025
Fluorene	500	100	30	ND		0.19	0.019	ND		0.2	0.019	ND		0.22	0.021	2.6		0.19	0.018	-	-	-	-	ND		0.22	0.021	ND		0.21	0.02
Phenanthrene	500	100	100	ND		0.12	0.023	ND		0.12	0.024	ND		0.13	0.026	13	E	0.11	0.023	17		0.45	0.09	ND		0.13	0.027	ND		0.12	0.025
Dibenzo(a,h)anthracene	0.56	0.33	0.33	ND		0.12	0.022	ND		0.12	0.023	ND		0.13	0.025	1.1		0.11	0.022	-	-	-	-	ND		0.13	0.025	ND		0.12	0.024
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	ND		0.15	0.027	0.061	J	0.16	0.028	ND		0.17	0.03	3.5		0.15	0.026	-	-	-	-	ND		0.18	0.031	ND		0.17	0.029
Pyrene	500	100	100	ND		0.12	0.019	0.044	J	0.12	0.02	ND		0.13	0.021	9.1	E	0.11	0.018	12		0.45	0.074	ND		0.13	0.022	ND		0.12	0.021
Biphenyl	NA	NA	NA	ND		0.44	0.045	ND		0.45	0.046	ND		0.49	0.05	0.37	J	0.42	0.043	-		-	-	ND		0.5	0.051	ND		0.48	0.048
4-Chloroaniline	NA	100	NA	ND		0.19	0.035	ND		0.2	0.036	ND		0.22	0.039	ND		0.19	0.034	-		-	-	ND		0.22	0.04	ND		0.21	0.038
2-Nitroaniline	NA	NA	NA	ND		0.19	0.037	ND		0.2	0.038	ND		0.22	0.042	ND		0.19	0.036	-		-	-	ND		0.22	0.042	ND		0.21	0.04
3-Nitroaniline	NA	NA	NA	ND		0.19	0.036	ND		0.2	0.037	ND		0.22	0.041	ND		0.19	0.035	-		-	-	ND		0.22	0.042	ND		0.21	0.04
4-Nitroaniline	NA	NA	NA	ND		0.19	0.08	ND		0.2	0.082	ND		0.22	0.09	ND		0.19	0.077	-		-	-	ND		0.22	0.091	ND		0.21	0.087
Dibenzofuran	350	14	7	ND		0.19	0.018	ND		0.2	0.019	ND		0.22	0.02	2.2		0.19	0.018	-	-	-	-	ND		0.22	0.021	ND		0.21	0.02
2-Methylnaphthalene	NA	NA	NA	ND		0.23	0.023	ND		0.24	0.024	ND		0.26	0.026	1.4		0.22	0.022	-	-	-	-	ND		0.26	0.026	ND		0.25	0.025
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND		0.19	0.02	ND		0.2	0.021	ND		0.22	0.022	ND		0.19	0.019	-		-	-	ND		0.22	0.023	ND		0.21	0.022
Acetophenone	NA	NA	NA	ND		0.19	0.024	ND		0.2	0.024	ND		0.22	0.027	ND		0.19	0.023	-		-	-	ND		0.22	0.027	ND		0.21	0.026
2,4,6-Trichlorophenol	NA	NA	NA	ND		0.12	0.036	ND		0.12	0.038	ND		0.13	0.041	ND		0.11	0.035	-		-	-	ND		0.13	0.042	ND		0.12	0.04
p-Chloro-m-cresol	NA	NA	NA	ND		0.19	0.029	ND		0.2	0.03	ND		0.22	0.032	ND		0.19	0.028	-		-	-	ND		0.22	0.033	ND		0.21	0.031
2-Chlorophenol	NA	100	NA	ND		0.19	0.023	ND		0.2	0.023	ND		0.22	0.026	ND		0.19	0.022	-		-	-	ND		0.22	0.026	ND		0.21	0.025
2,4-Dichlorophenol	NA	100	NA	ND		0.17	0.031	ND		0.18	0.032	ND		0.19	0.035	ND		0.17	0.03	-		-	-	ND		0.2	0.035	ND		0.19	0.034
2,4-Dimethylphenol	NA	NA	NA	ND		0.19	0.064	ND		0.2	0.065	ND		0.22	0.071	0.086	J	0.19	0.061	-		-	-	ND		0.22	0.073	ND		0.21	0.069
2-Nitrophenol	NA	NA	NA	ND		0.42	0.072	ND		0.43	0.074	ND		0.47	0.081	ND		0.4	0.07	-		-	-	ND		0.48	0.083	ND		0.45	0.079
4-Nitrophenol	NA	NA	NA	ND		0.27	0.078	ND		0.28	0.081	ND		0.3	0.088	ND		0.26	0.076	-		-	-	ND		0.31	0.09	ND		0.29	0.085
2,4-Dinitrophenol	NA	100	NA	ND		0.92	0.09	ND		0.95	0.092	ND		1	0.1	ND		0.89	0.087	-		-	-	ND		1	0.1	ND		1	0.098
4,6-Dinitro-o-cresol	NA	NA	NA	ND		0.5	0.092	ND		0.52	0.095	ND		0.56	0.1	ND		0.48	0.089	-		-	-	ND		0.57	0.1	ND		0.54	0.1
Pentachlorophenol	6.7	2.4	0.8	ND		0.15	0.042	ND		0.16	0.044	ND		0.17	0.048	ND		0.15	0.041	-		-	-	ND		0.18	0.048	ND		0.17	0.046
Phenol	500	100	0.33	ND		0.19	0.029	ND		0.2	0.03	ND		0.22	0.033	0.2		0.19	0.028	-	-	-	-	ND		0.22	0.033	ND		0.21	0.032
2-Methylphenol	500	100	0.33	ND		0.19	0.03	ND		0.2	0.031	ND		0.22	0.034	0.11	J	0.19	0.029	-		-	-	ND		0.22	0.034	ND		0.21	0.032
3-Methylphenol/4-Methylphenol	500	34	0.33	ND		0.28	0.03	ND		0.28	0.031	ND		0.31	0.034	0.34		0.27	0.029	-	-	-	-	ND		0.32	0.034	ND		0.3	0.033

Notes:
All results are shown in mg/kg.
– = Does not apply.
CSCO = Table Part 375-6.8(b) Restricted Use – Commercial Soil Cleanup Objectives.
RSCO = Table Part 375-6.8(b) Restricted Use – Residential Soil Cleanup Objectives.
USCO = Table Part 375-6.8(b) Unrestricted Use – Soil Cleanup Objectives.
NA = No Standard.
Q = Result qualifier.
RL = Laboratory reporting limit.
MDL = Method detection limit.
J = Concentration is ≥ the MDL but ≤ the RL. Concentration is considered an estimate.

TABLE 9
Remedial Investigation - Subsurface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID (Sample Depth):				TP-1 (8) 033017				TP-2 (6) 033017				TP-3 (8) 033017				TP-4 (5) 033017				TP-4 (5) 033017				TP-5 (8) 033017				TP-6 (8) 033017			
COLLECTION DATE:				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
2,4,5-Trichlorophenol	NA	100	NA	ND		0.19	0.037	ND		0.2	0.038	ND		0.22	0.041	ND		0.19	0.036	-		-	-	ND		0.22	0.042	ND		0.21	0.04
Carbazole	NA	NA	NA	ND		0.19	0.019	ND		0.2	0.019	ND		0.22	0.021	2.5		0.19	0.018	-	-	-	-	ND		0.22	0.021	ND		0.21	0.02
Atrazine	NA	NA	NA	ND		0.15	0.067	ND		0.16	0.069	ND		0.17	0.076	ND		0.15	0.065	-		-	-	ND		0.18	0.077	ND		0.17	0.073
Benzaldehyde	NA	NA	NA	ND		0.25	0.052	ND		0.26	0.054	ND		0.28	0.058	ND		0.24	0.05	-		-	-	ND		0.29	0.059	ND		0.28	0.056
Caprolactam	NA	NA	NA	ND		0.19	0.058	ND		0.2	0.06	ND		0.22	0.066	ND		0.19	0.056	-		-	-	ND		0.22	0.067	ND		0.21	0.064
2,3,4,6-Tetrachlorophenol	NA	NA	NA	ND		0.19	0.039	ND		0.2	0.04	ND		0.22	0.044	ND		0.19	0.038	-		-	-	ND		0.22	0.044	ND		0.21	0.042
Total SVOCs				-	-	-	-	0.281	-	-	-	-	-	-	-	96.063	-	-	-	58.7		-	-	-	-	-	-	-	-	-	-
No Tentatively Identified Compounds	NA	NA	NA	-		-	-	-		-	-	-		-	-	15.772	J	0	0	-		-	-	-	-	-	-	-	-	-	-
CHLORINATED HERBICIDES BY GC																				-		-	-								
2,4-D	NA	100	NA	ND		0.194	0.0122	ND		0.197	0.0124	ND		0.217	0.0137	ND		0.19	0.0119	-		-	-	ND		0.221	0.0139	ND		0.21	0.0132
2,4,5-T	NA	100	NA	ND		0.194	0.00602	ND		0.197	0.00612	ND		0.217	0.00674	ND		0.19	0.00588	-		-	-	ND		0.221	0.00686	ND		0.21	0.00652
2,4,5-TP (Silvex)	500	58	3.8	ND		0.194	0.00517	ND		0.197	0.00525	ND		0.217	0.00578	ND		0.19	0.00504	-		-	-	ND		0.221	0.00589	ND		0.21	0.00559
ORGANOCHLORINE PESTICIDES BY GC																				-	-	-	-								
Delta-BHC	500	100	0.04	ND		0.00185	0.000362	ND		0.00187	0.00037	ND		0.00198	0.000388	ND		0.00178	0.000349	-		-	-	ND		0.0021	0.000411	ND		0.00202	0.0004
Lindane	9.2	0.28	0.1	ND		0.00077	0.000344	ND		0.000781	0.00035	ND		0.00083	0.000369	ND		0.00074	0.000332	-		-	-	ND		0.000874	0.000391	ND		0.000843	0.00038
Alpha-BHC	3.4	0.097	0.02	ND		0.00077	0.000218	ND		0.000781	0.00022	ND		0.00083	0.000235	ND		0.00074	0.000211	-		-	-	ND		0.000874	0.000248	ND		0.000843	0.00024
Beta-BHC	3	0.072	0.036	ND		0.00185	0.0007	ND		0.00187	0.00071	ND		0.00198	0.000752	ND		0.00178	0.000676	-		-	-	ND		0.0021	0.000796	ND		0.00202	0.00077
Heptachlor	15	0.42	0.042	ND		0.000923	0.000414	ND		0.000937	0.00042	ND		0.00099	0.000445	ND		0.00089	0.0004	-		-	-	ND		0.00105	0.00047	ND		0.00101	0.00045
Aldrin	0.68	0.019	0.005	ND		0.00185	0.00065	ND		0.00187	0.00066	ND		0.00198	0.000698	ND		0.00178	0.000628	-		-	-	ND		0.0021	0.000739	ND		0.00202	0.00071
Heptachlor epoxide	NA	0.077	NA	ND		0.00346	0.00104	ND		0.00352	0.00105	ND		0.00372	0.00112	ND		0.00334	0.001	-		-	-	ND		0.00393	0.00118	ND		0.00379	0.00114
Endrin	89	2.2	0.014	ND		0.00077	0.000316	ND		0.000781	0.00032	ND		0.00083	0.000339	ND		0.00074	0.000305	-		-	-	ND		0.000874	0.000358	ND		0.000843	0.00035
Endrin aldehyde	NA	NA	NA	ND		0.00231	0.000808	ND		0.00234	0.00082	ND		0.00248	0.000868	ND		0.00223	0.00078	-		-	-	ND		0.00262	0.000918	ND		0.00253	0.00089
Endrin ketone	NA	NA	NA	ND		0.00185	0.000476	ND		0.00187	0.00048	ND		0.00198	0.000511	ND		0.00178	0.000459	-		-	-	ND		0.0021	0.00054	ND		0.00202	0.00052
Dieldrin	1.4	0.039	0.005	ND		0.00115	0.000577	ND		0.00117	0.00059	ND		0.00124	0.00062	ND		0.00112	0.000558	-		-	-	ND		0.00131	0.000656	ND		0.00126	0.00063
4,4'-DDE	62	1.8	0.0033	ND		0.00185	0.000427	ND		0.00187	0.00043	ND		0.00198	0.000459	0.00298		0.00178	0.000412	-	-	-	-	ND		0.0021	0.000485	ND		0.00202	0.00047
4,4'-DDD	92	2.6	0.0033	ND		0.00185	0.000659	ND		0.00187	0.00067	ND		0.00198	0.000707	ND		0.00178	0.000636	-		-	-	ND		0.0021	0.000748	ND		0.00202	0.00072
4,4'-DDT	47	1.7	0.0033	ND		0.00346	0.00148	ND		0.00352	0.00151	ND		0.00372	0.0016	0.0331	P	0.00334	0.00143	-		-	-	ND		0.00393	0.00169	ND		0.00379	0.00163
Endosulfan I	200	4.8	2.4	ND		0.00185	0.000436	ND		0.00187	0.00044	ND		0.00198	0.000468	ND		0.00178	0.000421	-		-	-	ND		0.0021	0.000496	ND		0.00202	0.00048
Endosulfan II	200	4.8	2.4	ND		0.00185	0.000617	ND		0.00187	0.00063	ND		0.00198	0.000663	0.00139	J	0.00178	0.000596	-		-	-	ND		0.0021	0.000701	ND		0.00202	0.00068
Endosulfan sulfate	200	4.8	2.4	ND		0.00077	0.000366	ND		0.000781	0.00037	ND		0.00083	0.000393	ND		0.00074	0.000354	-		-	-	ND		0.000874	0.000416	ND		0.000843	0.0004
Methoxychlor	NA	NA	NA	ND		0.00346	0.00108	ND		0.00352	0.00109	ND		0.00372	0.00116	ND		0.00334	0.00104	-		-	-	ND		0.00393	0.00122	ND		0.00379	0.00118
Toxaphene	NA	NA	NA	ND		0.0346	0.0097	ND		0.0352	0.00984	ND		0.0372	0.0104	ND		0.0334	0.00937	-		-	-	ND		0.0393	0.011	ND		0.0379	0.0106
cis-Chlordane	24	0.91	0.094	ND		0.00231	0.000643	ND		0.00234	0.00065	ND		0.00248	0.000691	0.00246		0.00223	0.000621	-	-	-	-	ND		0.00262	0.000731	ND		0.00253	0.00071
trans-Chlordane	NA	NA	NA	ND		0.00231	0.000609	0.00209	J	0.00234	0.00062	ND		0.00248	0.000654	0.0021	J	0.00223	0.000589	-		-	-	ND		0.00262	0.000692	ND		0.00253	0.00067
Chlordane	NA	NA	NA	ND		0.015	0.00612	ND		0.0152	0.00621	ND		0.0161	0.00657	0.0402	PI	0.0145	0.00591	-		-	-	ND		0.017	0.00695	ND		0.0164	0.0067
POLYCHLORINATED BIPHENYLS BY GC																				-	-	-	-								
Aroclor 1016	1	1	0.1	ND		0.0383	0.00302	ND		0.0384	0.00304	ND		0.0421	0.00332	ND		0.0374	0.00296	-		-	-	ND		0.0442	0.00349	ND		0.0408	0.00322
Aroclor 1221	1	1	0.1	ND		0.0383	0.00353	ND		0.0384	0.00354	ND		0.0421	0.00388	ND		0.0374	0.00345	-		-	-	ND		0.0442	0.00407	ND		0.0408	0.00376
Aroclor 1232	1	1	0.1	ND		0.0383	0.00449	ND		0.0384	0.0045	ND		0.0421	0.00493	ND		0.0374	0.00439	-		-	-	ND		0.0442	0.00518	ND		0.0408	0.00478

Notes:
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NA = No Standard.
Q = Result qualifier.
RL = Laboratory reporting limit.
MDL = Method detection limit.
J = Concentration is ≥ the MDL but ≤ the RL. Concentration is considered an estimate.

TABLE 9
Remedial Investigation - Subsurface Soil Results
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID (Sample Depth):				TP-1 (8) 033017				TP-2 (6) 033017				TP-3 (8) 033017				TP-4 (5) 033017				TP-4 (5) 033017				TP-5 (8) 033017				TP-6 (8) 033017			
COLLECTION DATE:				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017				3/30/2017			
SAMPLE DEPTH:																															
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
	CSCO	RSCO	USCO																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Aroclor 1242	1	1	0.1	ND		0.0383	0.00469	ND		0.0384	0.0047	ND		0.0421	0.00515	ND		0.0374	0.00458	-		-	-	ND		0.0442	0.0054	ND		0.0408	0.00499
Aroclor 1248	1	1	0.1	ND		0.0383	0.00323	ND		0.0384	0.00324	ND		0.0421	0.00355	ND		0.0374	0.00316	-		-	-	ND		0.0442	0.00373	ND		0.0408	0.00344
Aroclor 1254	1	1	0.1	ND		0.0383	0.00315	ND		0.0384	0.00316	ND		0.0421	0.00346	ND		0.0374	0.00308	-		-	-	ND		0.0442	0.00363	ND		0.0408	0.00335
Aroclor 1260	1	1	0.1	ND		0.0383	0.00292	ND		0.0384	0.00293	ND		0.0421	0.0032	0.0147	J	0.0374	0.00285	-		-	-	ND		0.0442	0.00336	ND		0.0408	0.00311
Aroclor 1262	1	1	0.1	ND		0.0383	0.0019	ND		0.0384	0.00191	ND		0.0421	0.00209	ND		0.0374	0.00186	-		-	-	ND		0.0442	0.00219	ND		0.0408	0.00202
Aroclor 1268	1	1	0.1	ND		0.0383	0.00555	ND		0.0384	0.00557	ND		0.0421	0.0061	0.00675	J	0.0374	0.00543	-		-	-	ND		0.0442	0.0064	ND		0.0408	0.00591
PCBs, Total	NA	NA	NA	ND		0.0383	0.0019	ND		0.0384	0.00191	ND		0.0421	0.00209	0.0215	J	0.0374	0.00285	-		-	-	ND		0.0442	0.00219	ND		0.0408	0.00202
TOTAL METALS																				-	-	-	-								
Aluminum, Total	NA	NA	NA	9400		9.3	2.5	8900		9.4	2.5	13000		10	2.8	8000		8.7	2.4	-	-	-	-	10000		10	2.8	6200		9.8	2.6
Antimony, Total	NA	NA	NA	ND		4.6	0.35	ND		4.7	0.36	ND		5.2	0.39	0.46	J	4.4	0.33	-		-	-	ND		5.1	0.39	ND		4.9	0.37
Arsenic, Total	16	16	13	3.5		0.93	0.19	3		0.94	0.19	5.7		1	0.22	7.3		0.87	0.18	-	-	-	-	8.8		1	0.21	2.7		0.98	0.2
Barium, Total	400	350	350	76		0.93	0.16	61		0.94	0.16	110		1	0.18	190		0.87	0.15	-	-	-	-	130		1	0.18	44		0.98	0.17
Beryllium, Total	590	14	7.2	0.28	J	0.46	0.03	0.28	J	0.47	0.03	0.46	J	0.52	0.03	0.51		0.44	0.03	-	-	-	-	0.36	J	0.51	0.03	0.18	J	0.49	0.03
Cadmium, Total	9.3	2.5	2.5	ND		0.93	0.09	ND		0.94	0.09	ND		1	0.1	0.49	J	0.87	0.09	-		-	-	ND		1	0.1	ND		0.98	0.1
Calcium, Total	NA	NA	NA	57000		9.3	3.2	3000		9.4	3.3	48000		10	3.6	44000		8.7	3	-	-	-	-	11000		10	3.6	35000		9.8	3.4
Chromium, Total	NA	NA	NA	13		0.93	0.09	9.9		0.94	0.09	17		1	0.1	16		0.87	0.08	-	-	-	-	15		1	0.1	8.4		0.98	0.09
Cobalt, Total	NA	30	NA	7.7		1.8	0.15	5.5		1.9	0.16	8		2.1	0.17	5.2		1.7	0.14	-	-	-	-	7.8		2	0.17	4.3		2	0.16
Copper, Total	270	270	50	16		0.93	0.24	9.2		0.94	0.24	18		1	0.27	33		0.87	0.22	-	-	-	-	16		1	0.26	9.3		0.98	0.25
Iron, Total	NA	2000	NA	16000		4.6	0.84	12000		4.7	0.84	20000		5.2	0.94	13000		4.4	0.79	-	-	-	-	21000		5.1	0.92	11000		4.9	0.88
Lead, Total	1000	400	63	12		4.6	0.25	30		4.7	0.25	14		5.2	0.28	460		4.4	0.23	-	-	-	-	14		5.1	0.27	14		4.9	0.26
Magnesium, Total	NA	NA	NA	16000		9.3	1.4	2000		9.4	1.4	15000		10	1.6	9900		8.7	1.3	-	-	-	-	8800		10	1.6	14000		9.8	1.5
Manganese, Total	10000	2000	1600	410		0.93	0.15	240		0.94	0.15	580		1	0.16	410		0.87	0.14	-	-	-	-	460		1	0.16	300		0.98	0.16
Mercury, Total	2.8	0.81	0.18	0.05	J	0.08	0.02	0.09		0.08	0.02	0.07	J	0.09	0.02	0.46		0.08	0.02	-	-	-	-	0.07	J	0.09	0.02	0.075	J	0.082	0.017
Nickel, Total	310	140	30	16		2.3	0.22	8.4		2.3	0.23	18		2.6	0.25	17		2.2	0.21	-	-	-	-	18		2.6	0.25	7.9		2.4	0.24
Potassium, Total	NA	NA	NA	1300		230	13	550		230	13	1200		260	15	790		220	12	-	-	-	-	1200		260	15	620		240	14
Selenium, Total	1500	36	3.9	ND		1.8	0.24	0.32	J	1.9	0.24	0.48	J	2.1	0.27	0.33	J	1.7	0.22	-		-	-	ND		2	0.26	ND		2	0.25
Silver, Total	1500	36	2	ND		0.93	0.26	ND		0.94	0.26	ND		1	0.29	ND		0.87	0.25	-		-	-	ND		1	0.29	ND		0.98	0.28
Sodium, Total	NA	NA	NA	120	J	180	2.9	48	J	190	2.9	170	J	210	3.3	160	J	170	2.7	-		-	-	82	J	200	3.2	110	J	200	3.1
Thallium, Total	NA	NA	NA	ND		1.8	0.29	ND		1.9	0.29	ND		2.1	0.33	ND		1.7	0.27	-		-	-	ND		2	0.32	ND		2	0.31
Vanadium, Total	NA	100	NA	18		0.93	0.19	17		0.94	0.19	24		1	0.21	14		0.87	0.18	-	-	-	-	21		1	0.21	14		0.98	0.2
Zinc, Total	10000	2200	109	54		4.6	0.27	48		4.7	0.27	67		5.2	0.3	220		4.4	0.26	-	-	-	-	76		5.1	0.3	46		4.9	0.28
GENERAL CHEMISTRY																				-	-	-	-								
Solids, Total	NA	NA	NA	84.6		0.1	NA	83.4		0.1	NA	76.1		0.1	NA	86.9		0.1	NA	-	-	-	-	73.8		0.1	NA	77.8		0.1	NA
Cyanide, Total	27	27	27	ND		2.3	0.38	0.7	J	1.2	0.2	ND		2.5	0.42	0.52	J	1.1	0.19	-		-	-	ND		1.3	0.21	ND		1.3	0.21

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RL = Laboratory reporting limit.
MDL = Method detection limit.
J = Concentration is ≥ the MDL but ≤ the RL. Concentration is considered an estimate.

TABLE 11
Limited Phase II and Remedial Investigation Groundwater Results
Rite Aid, 350 Niagara Street, Buffalo, New York

LOCATION		MW-1		MW-1		MW-2		MW-3-041717		MW-3		MW-4-041717		MW-4		MW-5-041717		MW-5		MW-5
SAMPLING DATE		9/16/2014		4/23/2019		9/16/2014		4/17/2017		9/16/2014		4/17/2017		9/16/2014		4/17/2017		9/16/2014		4/23/20
Analyte	TOGS 1.1.1 Groundwater Std. or GV	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results
Volatile Organics Compounds																				
Methylene chloride	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
1,1-Dichloroethane	5	9.5		ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Chloroform	7	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Carbon tetrachloride	5	ND	1	ND	0.5	ND	1	ND	2	ND	1	ND	0.5	ND	1	ND	10	ND	1	ND
1,2-Dichloropropane	1	ND	1	ND	1	ND	1	ND	4	ND	1	ND	1	ND	1	ND	20	ND	1	ND
Dibromochloromethane	50	ND	1	ND	0.5	ND	1	ND	2	ND	1	ND	0.5	ND	1	ND	10	ND	1	ND
1,1,2-Trichloroethane	1	ND	1	ND	1.5	ND	1	ND	6	220		ND	1.5	ND	1	ND	30	ND	1	ND
Tetrachloroethene	5	ND	1	ND	0.5	ND	1	260	2	ND	1	ND	0.5	ND	1	99	10	ND	1	63
Chlorobenzene	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Trichlorofluoromethane	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	100		ND
1,2-Dichloroethane	0.6	ND	1	ND	0.5	29		ND	2	ND	1	ND	0.5	ND	1	ND	10	ND	1	ND
1,1,1-Trichloroethane	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Bromodichloromethane	50	ND	1	ND	0.5	ND	1	ND	2	ND	1	ND	0.5	ND	1	ND	10	ND	1	ND
trans-1,3-Dichloropropene	0.4	ND	1	ND	0.5	ND	1	ND	2	ND	1	ND	0.5	ND	1	ND	10	ND	1	ND
cis-1,3-Dichloropropene	0.4	ND	1	ND	0.5	ND	1	ND	2	ND	1	ND	0.5	ND	1	ND	10	ND	1	ND
Bromoform	50	ND	1	ND	2	ND	1	ND	8	ND	1	ND	2	ND	1	ND	40	ND	1	ND
1,1,2,2-Tetrachloroethane	5	ND	1	ND	0.5	ND	1	ND	2	ND	1	ND	0.5	ND	1	ND	10	ND	1	ND
Benzene	1	ND	1	ND	0.5	8.8		ND	2	ND	1	ND	0.5	ND	1	ND	10	ND	1	ND
Toluene	5	ND	1	ND	2.5	1.3		ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Ethylbenzene	5	1.7		ND	2.5	9.7		ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Chloromethane	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Bromomethane	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Vinyl chloride	2	ND	1	ND	1	ND	1	1.7J	4	2.7	1	ND	1	ND	1	5.8J	20	5.6	1	3J
Chloroethane	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
1,1-Dichloroethene	5	ND	1	ND	0.5	ND	1	ND	2	ND	1	ND	0.5	ND	1	4.1J	10	1.5		2.7
trans-1,2-Dichloroethene	5	ND	1	ND	2.5	ND	1	ND	10	1.2		ND	2.5	ND	1	ND	50	8	1	7J
Trichloroethene	5	ND	1	ND	0.5	ND	1	66	2	38		ND	0.5	ND	1	1100	10	630	1	780
1,2-Dichlorobenzene	3	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
1,3-Dichlorobenzene	3	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
1,4-Dichlorobenzene	3	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Methyl tert butyl ether	10	3.1		ND	2.5	14		ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
m/p Xylene	5	ND	2	ND	2.5	7.5		ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
o-Xylene	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
cis-1,2-Dichloroethene	5	ND	1	ND	2.5	ND	1	33	10	29		ND	2.5	ND	1	76	50	63	1	57
Styrene	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Dichlorodifluoromethane	5	ND	1	ND	5	ND	1	ND	20	ND	1	ND	5	ND	1	ND	100	ND	1	ND
Acetone	50	11		ND	5	15		ND	20	ND	1	ND	5	6.1		ND	100	5.3		ND
Carbon disulfide	60	ND		ND	5	1.6		ND	20	2.3		ND	5	2		ND	100	1.2		ND
2-Butanone	50	ND	5	ND	5	ND	5	ND	20	ND	5	ND	5	ND	5	ND	100	ND	5	ND
4-Methyl-2-pentanone		ND	5	ND	5	ND	5	ND	20	ND	5	ND	5	ND	5	ND	100	ND	5	ND
2-Hexanone	50	ND	5	ND	5	ND	5	ND	20	ND	5	ND	5	ND	5	ND	100	ND	5	ND
Bromochloromethane	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
1,2-Dibromoethane	0.0006	ND	1	ND	2	ND	1	ND	8	ND	1	ND	2	ND	1	ND	40	ND	1	ND
1,2-Dibromo-3-chloropropane	0.04	ND	2	ND	2.5	ND	2	ND	10	ND	2	ND	2.5	ND	2	ND	50	ND	2	ND
Isopropylbenzene	5	ND	1	ND	2.5	1.1	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
1,2,3-Trichlorobenzene	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
1,2,4-Trichlorobenzene	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Methyl Acetate	-	ND	1	ND	2	ND	1	ND	8	ND	1	ND	2	ND	1	ND	40	ND	1	ND

Notes:
All results in mg/L – = T.O.G.S. 1.1.1 STD or GV does not exist.
Shaded = results exceeded the T.O.G.S. 1.1.1 STD or GV.
ND = Not detected.
RL = Laboratory reporting limit.
NA = Sample not analyzed for the analyte.
J = Compound found at a concentration below the RL and above the method detection limit.
Blank = No value or not sampled.

TABLE 11
Limited Phase II and Remedial Investigation Groundwater Results
Rite Aid, 350 Niagara Street, Buffalo, New York

LOCATION		MW-1		MW-1		MW-2		MW-3-041717		MW-3		MW-4-041717		MW-4		MW-5-041717		MW-5		MW-5
SAMPLING DATE		9/16/2014		4/23/2019		9/16/2014		4/17/2017		9/16/2014		4/17/2017		9/16/2014		4/17/2017		9/16/2014		4/23/20
Analyte	TOGS 1.1.1 Groundwater Std. or GV	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results
Cyclohexane	-	6.3		ND	10	14		ND	40	ND		ND	10	ND		ND	200	ND		ND
1,4-Dioxane	-	ND	40	ND	250	ND	40	ND	1000	ND	40	ND	250	ND	40	ND	5000	ND	40	ND
Freon-113	5	ND	1	ND	2.5	ND	1	ND	10	ND	1	ND	2.5	ND	1	ND	50	ND	1	ND
Methyl cyclohexane	-	11		ND	10	18		ND	40	ND		ND	10	ND		ND	200	ND		ND
Total Volatiles		42.6		-	-	120		360.7		293.2		ND		8.1		1284.9		814.6		912.7
Total TIC		NA		2.22	0	NA		8.32		NA		ND		NA		ND		NA		-
Semivolatile Organic Compounds																				
Bis(2-chloroethyl)ether	1	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
3,3'-Dichlorobenzidine	5	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
2,4-Dinitrotoluene	5	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
2,6-Dinitrotoluene	5	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
4-Chlorophenyl phenyl ether	-	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
4-Bromophenyl phenyl ether	-	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
Bis(2-chloroisopropyl)ether	5	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
Bis(2-chloroethoxy)methane	5	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Hexachlorocyclopentadiene	5	NA				NA		ND	20	NA		ND	20	NA		ND	20	NA		
Isophorone	50	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Nitrobenzene	0.4	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
NDPA/DPA	50	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
n-Nitrosodi-n-propylamine	-	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Bis(2-ethylhexyl)phthalate	5	NA				NA		ND	3	NA		ND	3	NA		ND	3	NA		
Butyl benzyl phthalate	50	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Di-n-butylphthalate	50	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Di-n-octylphthalate	50	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Diethyl phthalate	50	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Dimethyl phthalate	50	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Biphenyl	-	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
4-Chloroaniline	5	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
2-Nitroaniline	5	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
3-Nitroaniline	5	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
4-Nitroaniline	5	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Dibenzofuran	-	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
1,2,4,5-Tetrachlorobenzene	5	NA				NA		ND	10	NA		ND	10	NA		ND	10	NA		
Acetophenone	-	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
2,4,6-Trichlorophenol	-	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
p-Chloro-m-cresol	-	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
2-Chlorophenol	-	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
2,4-Dichlorophenol	2	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
2,4-Dimethylphenol	2	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
2-Nitrophenol	-	NA				NA		ND	10	NA		ND	10	NA		ND	10	NA		
4-Nitrophenol	-	NA				NA		ND	10	NA		ND	10	NA		ND	10	NA		
2,4-Dinitrophenol	2	NA				NA		ND	20	NA		ND	20	NA		ND	20	NA		
4,6-Dinitro-o-cresol	-	NA				NA		ND	10	NA		ND	10	NA		ND	10	NA		
Phenol	-	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
3-Methylphenol/4-Methylphenol	-	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
2,4,5-Trichlorophenol	-	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Carbazole	-	NA				NA		ND	2	NA		ND	2	NA		ND	2	NA		
Atrazine	7.5	NA				NA		ND	10	NA		ND	10	NA		ND	10	NA		
Benzaldehyde	-	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		

Notes:
All results in mg/L – = T.O.G.S. 1.1.1 STD or GV does not exist.
Shaded = results exceeded the T.O.G.S. 1.1.1 STD or GV.
ND = Not detected.
RL = Laboratory reporting limit.
NA = Sample not analyzed for the analyte.
J = Compound found at a concentration below the RL and above the method detection limit.
Blank = No value or not sampled.

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Limited Phase II and Remedial Investigation Groundwater Results
Rite Aid, 350 Niagara Street, Buffalo, New York

LOCATION		MW-1		MW-1		MW-2		MW-3-041717		MW-3		MW-4-041717		MW-4		MW-5-041717		MW-5		MW-5
SAMPLING DATE		9/16/2014		4/23/2019		9/16/2014		4/17/2017		9/16/2014		4/17/2017		9/16/2014		4/17/2017		9/16/2014		4/23/20
Analyte	TOGS 1.1.1 Groundwater Std. or GV	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results
Caprolactam	-	NA				NA		ND	10	NA		ND	10	NA		ND	10	NA		
2,3,4,6-Tetrachlorophenol	-	NA				NA		ND	5	NA		ND	5	NA		ND	5	NA		
Acenaphthene	20	ND	0.2			ND	0.2	ND	0.1	ND	0.2	ND	0.1	ND	0.2	ND	0.1	ND	0.2	
2-Chloronaphthalene	10	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Fluoranthene	50	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Hexachlorobutadiene	0.5	ND	0.2			ND	0.2	ND	0.5	ND	0.2	ND	0.5	ND	0.2	ND	0.5	ND	0.2	
Naphthalene	10	ND	0.2			0.72	0.2	0.07J	0.2	ND	0.2	ND	0.2	ND	0.2	0.05J	0.2	ND	0.2	
Benzo(a)anthracene	0.002	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Benzo(a)pyrene	Not detected	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Benzo(b)fluoranthene	0.002	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Benzo(k)fluoranthene	0.002	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Chrysene	0.002	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Acenaphthylene	-	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Anthracene	50	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Benzo(ghi)perylene	-	ND	0.2			ND	0.2	ND	0.2	ND	0.2	0.04J	0.2	ND	0.2	ND	0.2	ND	0.2	
Fluorene	50	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Phenanthrene	50	0.24				ND	0.2	ND	0.2	0.52		ND	0.2	0.43		ND	0.2	0.47		
Dibenz(a,h)anthracene	-	ND	0.2			ND	0.2	ND	0.2	ND	0.2	0.04J	0.2	ND	0.2	ND	0.2	ND	0.2	
Indeno(1,2,3-cd)pyrene	0.002	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Pyrene	50	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
2-Methylnaphthalene	-	NA	0.2			NA	0.2	ND	0.2	NA	0.2	ND	0.2	NA	0.2	ND	0.2	NA	0.2	
Pentachlorophenol	2	NA	0.2			NA	0.2	ND	0.8	NA	0.2	ND	0.8	NA	0.2	ND	0.8	NA	0.2	
Hexachlorobenzene	0.04	NA	0.2			NA	0.2	ND	0.8	NA	0.2	ND	0.8	NA	0.2	ND	0.8	NA	0.2	
Hexachloroethane	5	NA	0.2			NA	0.2	ND	0.8	NA	0.2	ND	0.8	NA	0.2	ND	0.8	NA	0.2	
Total Semivolatiles	-	0.24				0.72		0.07		0.52		0.08		0.43		0.05		0.47		
Total TilCs		NA				NA		ND		NA		ND		NA		ND		NA		
Chlorinated Herbicide Compounds																				
2,4-D	50	NA				NA		ND	20	NA		ND	20	NA		ND	20	NA		
2,4,5-T	35	NA				NA		ND	4	NA		ND	4	NA		ND	4	NA		
2,4,5-TP (Silvex)	0.26	NA				NA		ND	4	NA		ND	4	NA		ND	4	NA		
Organochlorine Pesticide Compounds																				
Delta-BHC	0.04	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
Lindane	0.05	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
Alpha-BHC	0.01	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
Beta-BHC	0.04	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
Heptachlor	0.04	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
Aldrin	0	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
Heptachlor epoxide	0.03	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
Endrin	0	NA				NA		ND	0.04	NA		ND	0.04	NA		ND	0.04	NA		
Endrin aldehyde	5	NA				NA		ND	0.04	NA		ND	0.04	NA		ND	0.04	NA		
Endrin ketone	5	NA				NA		ND	0.04	NA		ND	0.04	NA		ND	0.04	NA		
Dieldrin	0.004	NA				NA		ND	0.04	NA		ND	0.04	NA		ND	0.04	NA		
4,4'-DDE	0.2	NA				NA		ND	0.04	NA		ND	0.04	NA		ND	0.04	NA		
4,4'-DDD	0.3	NA				NA		ND	0.04	NA		ND	0.04	NA		ND	0.04	NA		
4,4'-DDT	0.2	NA				NA		ND	0.04	NA		ND	0.04	NA		ND	0.04	NA		
Endosulfan I	-	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
Endosulfan II	-	NA				NA		ND	0.04	NA		ND	0.04	NA		ND	0.04	NA		
Endosulfan sulfate	-	NA				NA		ND	0.04	NA		ND	0.04	NA		ND	0.04	NA		
Methoxychlor	35	NA				NA		ND	0.2	NA		ND	0.2	NA		ND	0.2	NA		

Notes:
All results in mg/L – = T.O.G.S. 1.1.1 STD or GV does not exist.
Shaded = results exceeded the T.O.G.S. 1.1.1 STD or GV.
ND = Not detected.
RL = Laboratory reporting limit.
NA = Sample not analyzed for the analyte.
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Rite Aid, 350 Niagara Street, Buffalo, New York

LOCATION		MW-1		MW-1		MW-2		MW-3-041717		MW-3		MW-4-041717		MW-4		MW-5-041717		MW-5		MW-5
SAMPLING DATE		9/16/2014		4/23/2019		9/16/2014		4/17/2017		9/16/2014		4/17/2017		9/16/2014		4/17/2017		9/16/2014		4/23/20
Analyte	TOGS 1.1.1 Groundwater Std. or GV	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results
Toxaphene	0.06	NA				NA		ND	0.2	NA		ND	0.2	NA		ND	0.2	NA		
cis-Chlordane	-	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
trans-Chlordane	-	NA				NA		ND	0.02	NA		ND	0.02	NA		ND	0.02	NA		
Chlordane	0.05	NA				NA		ND	0.2	NA		ND	0.2	NA		ND	0.2	NA		
Polychlorinated Biphenyls																				
Aroclor 1016	0.09	NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
Aroclor 1221	0.09	NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
Aroclor 1232	0.09	NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
Aroclor 1242	0.09	NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
Aroclor 1248	0.09	NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
Aroclor 1254	0.09	NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
Aroclor 1260	0.09	NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
Aroclor 1262	0.09	NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
Aroclor 1268	0.09	NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
PCBs, Total		NA				NA		ND	0.083	NA		ND	0.08	NA		ND	0.083	NA		
Metals																				
Aluminum, Total	-	790				ND	100	ND	10	ND	100	374	10	2300		16.9	10	ND	100	
Antimony, Total	3	ND	60			ND	60	6.2	4	ND	60	0.49J	4	ND	60	0.8J	4	ND	60	
Arsenic, Total	25	ND				ND		ND	0.5	ND	10	0.86	0.5	ND	10	2.76	0.5	ND	10	
Barium, Total	1000	90				47		ND	0.5	44		37.66	0.5	54		170	0.5	66		
Beryllium, Total	3	ND	3			ND	3	ND	0.5	ND	3	ND	0.5	ND	3	ND	0.5	ND	3	
Cadmium, Total	5	ND	5			ND	5	ND	0.2	ND	5	ND	0.2	ND	5	ND	0.2	ND	5	
Calcium, Total	-	163000				176000		ND	100	183000		295000	100	228000		142000	100	126000		
Chromium, Total	50	ND	10			ND	10	ND	1	ND	10	0.6J	1	ND	10	0.4J	1	ND	10	
Cobalt, Total	-	ND	50			ND	50	ND	0.5	ND	50	1.37	0.5	ND	50	8.21	0.5	ND	50	
Copper, Total	200	ND	20			ND	20	0.71J	1	ND	20	1.22	1	ND	20	0.83J	1	ND	20	
Iron, Total	300	790				160		ND	50	590		733	50	2230		560	50	ND	100	
Lead, Total	25	ND	50			ND	50	ND	1	ND	50	1.08	1	ND	50	ND	1	ND	50	
Magnesium, Total	35000	67500				84000		ND	70	150000		93000	70	95600		61200	70	55100		
Manganese, Total	300	749				666		ND	1	212		331.9	1	640		110.7	1	453		
Mercury, Total	0.7	ND	0.2			ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
Nickel, Total	100	ND	40			ND	40	ND	2	ND	40	3.29	2	ND	40	1.73J	2	ND	40	
Potassium, Total	-	8000				7800		ND	100	61000		2280	100	4400		4460	100	3300		
Selenium, Total	10	ND	10			ND	10	ND	5	ND	10	ND	5	ND	10	ND	5	ND	10	
Silver, Total	50	ND	10			ND	10	ND	0.4	ND	10	ND	0.4	ND	10	ND	0.4	ND	10	
Sodium, Total	20000	167000				173000		ND	100	154000		57500	100	46100		35900	100	34300		
Thallium, Total	0.5	ND	10			ND	10	ND	0.5	ND	10	ND	0.5	ND	10	ND	0.5	ND	10	
Vanadium, Total	-	ND	50			ND	50	ND	5	ND	50	ND	5	ND	50	ND	5	ND	50	
Zinc, Total	2000	ND	20			ND	20	ND	10	ND	20	7.59J	10	23		ND	10	ND	20	

Notes:
All results in mg/L – = T.O.G.S. 1.1.1 STD or GV does not exist.
Shaded = results exceeded the T.O.G.S. 1.1.1 STD or GV.
ND = Not detected.
RL = Laboratory reporting limit.
NA = Sample not analyzed for the analyte.
J = Compound found at a concentration below the RL and above the method detection limit.
Blank = No value or not sampled.

TABLE 11
Limited Phase II and Remedial Investigation Groundwater Results
Rite Aid, 350 Niagara Street, Buffalo, New York

LOCATION		5	MW-6-041317		MW-6-041317 DUP		MW-8-041217		MW-9-041317		MW-10		MW-11		MW-12		TRIP BLANK		TRIP BLANK		TRIP BLANK	
SAMPLING DATE		19	4/13/2017		4/13/2017		4/12/2017		4/13/2017		4/23/2019		4/23/2019		4/23/2019		4/23/2019		4/12/2017		4/17/2017	
Analyte	TOGS 1.1.1 Groundwater Std. or GV	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Volatile Organics Compounds																						
Methylene chloride	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
1,1-Dichloroethane	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Chloroform	7	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Carbon tetrachloride	5	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1.2	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloropropane	1	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	5	ND	2.5	ND	1	ND	1	ND	1
Dibromochloromethane	50	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1.2	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	1	7.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	7.5	ND	3.8	ND	1.5	ND	1.5	ND	1.5
Tetrachloroethene	5	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	620	2.5	0.54J	1.2	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Trichlorofluoromethane	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
1,2-Dichloroethane	0.6	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	0.95	0.5	ND	2.5	ND	1.2	ND	0.5	ND	0.5	ND	0.5
1,1,1-Trichloroethane	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Bromodichloromethane	50	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1.2	ND	0.5	ND	0.5	ND	0.5
trans-1,3-Dichloropropene	0.4	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1.2	ND	0.5	ND	0.5	ND	0.5
cis-1,3-Dichloropropene	0.4	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1.2	ND	0.5	ND	0.5	ND	0.5
Bromoform	50	10	ND	2	ND	2	ND	2	ND	2	ND	2	ND	10	ND	5	ND	2	ND	2	ND	2
1,1,2,2-Tetrachloroethane	5	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1.2	ND	0.5	ND	0.5	ND	0.5
Benzene	1	2.5	ND	0.5	ND	0.5	ND	0.5	0.16J	0.5	ND	0.5	ND	2.5	ND	1.2	ND	0.5	ND	0.5	ND	0.5
Toluene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Ethylbenzene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Chloromethane	5	12	ND	2.5	0.71J	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Bromomethane	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Vinyl chloride	2	5	ND	1	ND	1	ND	1	ND	1	ND	1	13	5	13	2.5	ND	1	ND	1	ND	1
Chloroethane	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
1,1-Dichloroethene	5	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	3.3	1.2	ND	0.5	ND	0.5	ND	0.5
trans-1,2-Dichloroethene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	5J	12	78	6.2	ND	2.5	ND	2.5	ND	2.5
Trichloroethene	5	2.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	110	2.5	320	1.2	ND	0.5	ND	0.5	ND	0.5
1,2-Dichlorobenzene	3	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
1,3-Dichlorobenzene	3	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
1,4-Dichlorobenzene	3	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Methyl tert butyl ether	10	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
m/p Xylene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
o-Xylene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
cis-1,2-Dichloroethene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	310	12	100	6.2	ND	2.5	ND	2.5	ND	2.5
Styrene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Dichlorodifluoromethane	5	25	ND	5	ND	5	ND	5	ND	5	ND	5	ND	25	ND	12	ND	5	ND	5	ND	5
Acetone	50	25	46	5	47	5	20	5	9.4	5	ND	5	ND	25	ND	12	ND	5	ND	5	ND	5
Carbon disulfide	60	25	1.2J	5	1.2J	5	2.5J	5	2.2J	5	ND	5	ND	25	ND	12	ND	5	ND	5	ND	5
2-Butanone	50	25	ND	5	ND	5	ND	5	ND	5	ND	5	ND	25	ND	12	ND	5	ND	5	ND	5
4-Methyl-2-pentanone		25	ND	5	ND	5	ND	5	ND	5	ND	5	ND	25	ND	12	ND	5	ND	5	ND	5
2-Hexanone	50	25	ND	5	ND	5	ND	5	ND	5	ND	5	ND	25	ND	12	ND	5	ND	5	ND	5
Bromochloromethane	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
1,2-Dibromoethane	0.0006	10	ND	2	ND	2	ND	2	ND	2	ND	2	ND	10	ND	5	ND	2	ND	2	ND	2
1,2-Dibromo-3-chloropropane	0.04	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Isopropylbenzene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
1,2,3-Trichlorobenzene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
1,2,4-Trichlorobenzene	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Methyl Acetate	-	10	ND	2	ND	2	ND	2	ND	2	ND	2	ND	10	ND	5	ND	2	ND	2	ND	2

Notes:
All results in mg/L – = T.O.G.S. 1.1.1 STD or GV does not exist.
Shaded = results exceeded the T.O.G.S. 1.1.1 STD or GV.
ND = Not detected.
RL = Laboratory reporting limit.
NA = Sample not analyzed for the analyte.
J = Compound found at a concentration below the RL and above the method detection limit.
Blank = No value or not sampled.

TABLE 11
Limited Phase II and Remedial Investigation Groundwater Results
Rite Aid, 350 Niagara Street, Buffalo, New York

LOCATION		5	MW-6-041317		MW-6-041317 DUP		MW-8-041217		MW-9-041317		MW-10		MW-11		MW-12		TRIP BLANK		TRIP BLANK		TRIP BLANK	
SAMPLING DATE		19	4/13/2017		4/13/2017		4/12/2017		4/13/2017		4/23/2019		4/23/2019		4/23/2019		4/23/2019		4/12/2017		4/17/2017	
Analyte	TOGS 1.1.1 Groundwater Std. or GV	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Cyclohexane	-	50	ND	10	ND	10	ND	10	ND	10	0.28J	10	ND	50	ND	25	ND	10	ND	10	ND	10
1,4-Dioxane	-	1200	ND	250	ND	250	ND	250	ND	250	ND	250	ND	1200	ND	620	ND	250	ND	250	ND	250
Freon-113	5	12	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	6.2	ND	2.5	ND	2.5	ND	2.5
Methyl cyclohexane	-	50	ND	10	ND	10	ND	10	ND	10	ND	10	ND	50	ND	25	ND	10	ND	10	ND	10
Total Volatiles		-	47.2		48.91		22.5		11.76		1.23	-	1058	-	514.84	-	-	-	ND		ND	
Total TIC		-	ND		ND		ND		ND		-	-	-	-	-	-	-	-	ND		ND	
Semivolatile Organic Compounds																						
Bis(2-chloroethyl)ether	1		ND	2	ND	2	ND	2	ND	2									-	-	-	-
3,3'-Dichlorobenzidine	5		ND	5	ND	5	ND	5	ND	5									-	-	-	-
2,4-Dinitrotoluene	5		ND	5	ND	5	ND	5	ND	5									-	-	-	-
2,6-Dinitrotoluene	5		ND	5	ND	5	ND	5	ND	5									-	-	-	-
4-Chlorophenyl phenyl ether	-		ND	2	ND	2	ND	2	ND	2									-	-	-	-
4-Bromophenyl phenyl ether	-		ND	2	ND	2	ND	2	ND	2									-	-	-	-
Bis(2-chloroisopropyl)ether	5		ND	2	ND	2	ND	2	ND	2									-	-	-	-
Bis(2-chloroethoxy)methane	5		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Hexachlorocyclopentadiene	5		ND	20	ND	20	ND	20	ND	20									-	-	-	-
Isophorone	50		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Nitrobenzene	0.4		ND	2	ND	2	ND	2	ND	2									-	-	-	-
NDPA/DPA	50		ND	2	ND	2	ND	2	ND	2									-	-	-	-
n-Nitrosodi-n-propylamine	-		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Bis(2-ethylhexyl)phthalate	5		ND	3	ND	3	ND	3	ND	3									-	-	-	-
Butyl benzyl phthalate	50		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Di-n-butylphthalate	50		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Di-n-octylphthalate	50		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Diethyl phthalate	50		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Dimethyl phthalate	50		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Biphenyl	-		ND	2	ND	2	ND	2	ND	2									-	-	-	-
4-Chloroaniline	5		ND	5	ND	5	ND	5	ND	5									-	-	-	-
2-Nitroaniline	5		ND	5	ND	5	ND	5	ND	5									-	-	-	-
3-Nitroaniline	5		ND	5	ND	5	ND	5	ND	5									-	-	-	-
4-Nitroaniline	5		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Dibenzofuran	-		ND	2	ND	2	ND	2	ND	2									-	-	-	-
1,2,4,5-Tetrachlorobenzene	5		ND	10	ND	10	ND	10	ND	10									-	-	-	-
Acetophenone	-		ND	5	ND	5	ND	5	ND	5									-	-	-	-
2,4,6-Trichlorophenol	-		ND	5	ND	5	ND	5	ND	5									-	-	-	-
p-Chloro-m-cresol	-		ND	2	ND	2	ND	2	ND	2									-	-	-	-
2-Chlorophenol	-		ND	2	ND	2	ND	2	ND	2									-	-	-	-
2,4-Dichlorophenol	2		ND	5	ND	5	ND	5	ND	5									-	-	-	-
2,4-Dimethylphenol	2		ND	5	ND	5	ND	5	ND	5									-	-	-	-
2-Nitrophenol	-		ND	10	ND	10	ND	10	ND	10									-	-	-	-
4-Nitrophenol	-		ND	10	ND	10	ND	10	ND	10									-	-	-	-
2,4-Dinitrophenol	2		ND	20	ND	20	ND	20	ND	20									-	-	-	-
4,6-Dinitro-o-cresol	-		ND	10	ND	10	ND	10	ND	10									-	-	-	-
Phenol	-		ND	5	ND	5	ND	5	ND	5									-	-	-	-
3-Methylphenol/4-Methylphenol	-		ND	5	ND	5	ND	5	ND	5									-	-	-	-
2,4,5-Trichlorophenol	-		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Carbazole	-		ND	2	ND	2	ND	2	ND	2									-	-	-	-
Atrazine	7.5		ND	10	ND	10	ND	10	ND	10									-	-	-	-
Benzaldehyde	-		ND	5	ND	5	ND	5	ND	5									-	-	-	-

Notes:
All results in mg/L – = T.O.G.S. 1.1.1 STD or GV does not exist.
Shaded = results exceeded the T.O.G.S. 1.1.1 STD or GV.
ND = Not detected.
RL = Laboratory reporting limit.
NA = Sample not analyzed for the analyte.
J = Compound found at a concentration below the RL and above the method detection limit.
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TABLE 11
Limited Phase II and Remedial Investigation Groundwater Results
Rite Aid, 350 Niagara Street, Buffalo, New York

LOCATION		5	MW-6-041317		MW-6-041317 DUP		MW-8-041217		MW-9-041317		MW-10		MW-11		MW-12		TRIP BLANK		TRIP BLANK		TRIP BLANK	
SAMPLING DATE		19	4/13/2017		4/13/2017		4/12/2017		4/13/2017		4/23/2019		4/23/2019		4/23/2019		4/23/2019		4/12/2017		4/17/2017	
Analyte	TOGS 1.1.1 Groundwater Std. or GV	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Caprolactam	-		ND	10	ND	10	ND	10	ND	10									-	-	-	-
2,3,4,6-Tetrachlorophenol	-		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Acenaphthene	20		ND	0.1	ND	0.1	ND	0.1	0.12	0.1									-	-	-	-
2-Chloronaphthalene	10		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Fluoranthene	50		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Hexachlorobutadiene	0.5		ND	0.5	ND	0.5	ND	0.5	ND	0.5									-	-	-	-
Naphthalene	10		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Benzo(a)anthracene	0.002		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Benzo(a)pyrene	Not detected		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Benzo(b)fluoranthene	0.002		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Benzo(k)fluoranthene	0.002		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Chrysene	0.002		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Acenaphthylene	-		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Anthracene	50		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Benzo(ghi)perylene	-		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Fluorene	50		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Phenanthrene	50		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Dibenz(a,h)anthracene	-		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Indeno(1,2,3-cd)pyrene	0.002		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Pyrene	50		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
2-Methylnaphthalene	-		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Pentachlorophenol	2		ND	0.8	ND	0.8	ND	0.8	ND	0.8									-	-	-	-
Hexachlorobenzene	0.04		ND	0.8	ND	0.8	ND	0.8	ND	0.8									-	-	-	-
Hexachloroethane	5		ND	0.8	ND	0.8	ND	0.8	ND	0.8									-	-	-	-
Total Semivolatiles	-		ND		ND		ND		0.12													
Total TiICs			ND		ND		216.6		170.47													
Chlorinated Herbicide Compounds																						
2,4-D	50		ND	10	ND	10	ND	20	ND	10									-	-	-	-
2,4,5-T	35		ND	2	ND	2	ND	4	ND	2									-	-	-	-
2,4,5-TP (Silvex)	0.26		ND	2	ND	2	ND	4	ND	2									-	-	-	-
Organochlorine Pesticide Compounds																						
Delta-BHC	0.04		ND	0.02	ND	0.02	ND	0.02	ND	0.02									-	-	-	-
Lindane	0.05		ND	0.02	ND	0.02	ND	0.02	ND	0.02									-	-	-	-
Alpha-BHC	0.01		ND	0.02	ND	0.02	ND	0.02	ND	0.02									-	-	-	-
Beta-BHC	0.04		ND	0.02	ND	0.02	ND	0.02	ND	0.02									-	-	-	-
Heptachlor	0.04		0.017J	0.02	ND	0.02	ND	0.02	ND	0.02									-	-	-	-
Aldrin	0		ND	0.02	ND	0.02	ND	0.02	ND	0.02									-	-	-	-
Heptachlor epoxide	0.03		ND	0.02	ND	0.02	0.054P	0.02	0.016JPI	0.02									-	-	-	-
Endrin	0		ND	0.04	ND	0.04	ND	0.04	ND	0.04									-	-	-	-
Endrin aldehyde	5		ND	0.04	ND	0.04	ND	0.04	ND	0.04									-	-	-	-
Endrin ketone	5		ND	0.04	ND	0.04	ND	0.04	ND	0.04									-	-	-	-
Dieldrin	0.004		ND	0.04	ND	0.04	ND	0.04	ND	0.04									-	-	-	-
4,4'-DDE	0.2		ND	0.04	ND	0.04	ND	0.04	ND	0.04									-	-	-	-
4,4'-DDD	0.3		ND	0.04	ND	0.04	ND	0.04	ND	0.04									-	-	-	-
4,4'-DDT	0.2		ND	0.04	ND	0.04	ND	0.04	ND	0.04									-	-	-	-
Endosulfan I	-		ND	0.02	ND	0.02	ND	0.02	ND	0.02									-	-	-	-
Endosulfan II	-		ND	0.04	ND	0.04	ND	0.04	ND	0.04									-	-	-	-
Endosulfan sulfate	-		ND	0.04	ND	0.04	ND	0.04	ND	0.04									-	-	-	-
Methoxychlor	35		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-

Notes:
All results in mg/L – = T.O.G.S. 1.1.1 STD or GV does not exist.
Shaded = results exceeded the T.O.G.S. 1.1.1 STD or GV.
ND = Not detected.
RL = Laboratory reporting limit.
NA = Sample not analyzed for the analyte.
J = Compound found at a concentration below the RL and above the method detection limit.
Blank = No value or not sampled.

TABLE 11
Limited Phase II and Remedial Investigation Groundwater Results
Rite Aid, 350 Niagara Street, Buffalo, New York

LOCATION		5	MW-6-041317		MW-6-041317 DUP		MW-8-041217		MW-9-041317		MW-10		MW-11		MW-12		TRIP BLANK		TRIP BLANK		TRIP BLANK	
SAMPLING DATE		19	4/13/2017		4/13/2017		4/12/2017		4/13/2017		4/23/2019		4/23/2019		4/23/2019		4/23/2019		4/12/2017		4/17/2017	
Analyte	TOGS 1.1.1 Groundwater Std. or GV	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Toxaphene	0.06		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
cis-Chlordane	-		ND	0.02	ND	0.02	ND	0.02	ND	0.02									-	-	-	-
trans-Chlordane	-		0.008J	0.02	ND	0.02	ND	0.02	0.014JPI	0.02									-	-	-	-
Chlordane	0.05		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Polychlorinated Biphenyls																						
Aroclor 1016	0.09		ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
Aroclor 1221	0.09		ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
Aroclor 1232	0.09		ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
Aroclor 1242	0.09		ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
Aroclor 1248	0.09		ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
Aroclor 1254	0.09		ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
Aroclor 1260	0.09		ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
Aroclor 1262	0.09		ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
Aroclor 1268	0.09		ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
PCBs, Total			ND	0.08	ND	0.083	ND	0.08	ND	0.08									-	-	-	-
Metals																						
Aluminum, Total	-		210	10	176	10	144	10	92.3	10									-	-	-	-
Antimony, Total	3		0.53J	4	0.7J	4	2.39J	4	0.61J	4									-	-	-	-
Arsenic, Total	25		0.86	0.5	0.79	0.5	0.88	0.5	0.79	0.5									-	-	-	-
Barium, Total	1000		42.18	0.5	41.15	0.5	78.13	0.5	58.94	0.5									-	-	-	-
Beryllium, Total	3		ND	0.5	ND	0.5	ND	0.5	ND	0.5									-	-	-	-
Cadmium, Total	5		ND	0.2	ND	0.2	0.11J	0.2	0.21	0.2									-	-	-	-
Calcium, Total	-		176000	100	177000	100	200000	100	206000	100									-	-	-	-
Chromium, Total	50		0.65J	1	0.69J	1	0.58J	1	1.47	1									-	-	-	-
Cobalt, Total	-		2.34	0.5	2.28	0.5	1.46	0.5	3.49	0.5									-	-	-	-
Copper, Total	200		1.64	1	1.71	1	0.99J	1	2.63	1									-	-	-	-
Iron, Total	300		378	50	330	50	262	50	225	50									-	-	-	-
Lead, Total	25		0.69J	1	0.68J	1	0.47J	1	0.49J	1									-	-	-	-
Magnesium, Total	35000		45700	70	47200	70	49300	70	44600	70									-	-	-	-
Manganese, Total	300		266.2	1	270.9	1	196.6	1	257.4	1									-	-	-	-
Mercury, Total	0.7		ND	0.2	ND	0.2	ND	0.2	ND	0.2									-	-	-	-
Nickel, Total	100		4.04	2	4.48	2	2.24	2	5.24	2									-	-	-	-
Potassium, Total	-		3140	100	3140	100	3720	100	9290	100									-	-	-	-
Selenium, Total	10		5.15	5	4.5J	5	3.69J	5	3.96J	5									-	-	-	-
Silver, Total	50		ND	0.4	ND	0.4	ND	0.4	ND	0.4									-	-	-	-
Sodium, Total	20000		26400	100	27300	100	497000	100	143000	100									-	-	-	-
Thallium, Total	0.5		ND	0.5	ND	0.5	ND	0.5	ND	0.5									-	-	-	-
Vanadium, Total	-		ND	5	ND	5	ND	5	ND	5									-	-	-	-
Zinc, Total	2000		4.96J	10	4.69J	10	4.09J	10	5.03J	10									-	-	-	-

Notes:
All results in mg/L – = T.O.G.S. 1.1.1 STD or GV does not exist.
Shaded = results exceeded the T.O.G.S. 1.1.1 STD or GV.
ND = Not detected.
RL = Laboratory reporting limit.
NA = Sample not analyzed for the analyte.
J = Compound found at a concentration below the RL and above the method detection limit.
Blank = No value or not sampled.

Table 12
Frequency of Detections Exceeding TOGs 1.1.1 in Groundwater
During Remedial Investigation

Compound	TOGS 1.1.1 Std. or GV (ug/L)	Frequency of Detection (percentage)	Maximum Concentration (ug/L)
Antimony	3.0	1 out of 10 (10%)	6.2
Iron	300	6 out of 10 (60%)	3,210
Magnesium	35,000	9 out of 10 (90%)	153,000
Manganese	300	3 out of 10 (30%)	331.9
Sodium	20,000	9 out of 10 (90%)	497,000
Heptachlor Epoxide	0.03	1 out of 10 (10%)	0.017
Benzo(b)fluoranthene	0.002	1 out of 10 (10%)	0.04
Benzene	1	1 out of 10 (10%)	1.4
Cis 1,2-Dichloroethene	5	5 out of 15 (33%)	310
MTBE	10	1 out of 10 (10%)	36.0
PCE	5	5 out of 15 (33%)	620
TCE	5	5 out of 15 (33%)	1,100
Vinyl chloride	2	5 out of 15 (33%)	13
Trans1,2-Dichloroethene	5	3 out of 5 (60%)	78
1,2-Dichloroethane	0.6	1 out of 5 (20%)	0.95

Table 13
Remedial Investigation - Emerging Contaminants in Groundwater
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID:		MW-7			MW-5			MW-5 DUP			FIELD BLANK		
LAB ID:		L1916646-01			L1916646-02			L1916646-03			L1916646-04		
COLLECTION DATE:		4/23/2019			4/23/2019			4/23/2019			4/23/2019		
SAMPLE MATRIX:		WATER			WATER			WATER			WATER		
ANALYTE	Part 375 Standard	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
1,4 DIOXANE BY 8270D-SIM													
1,4-Dioxane	1	ND		0.144	ND		0.144	ND		0.144	ND		0.144
PERFLUORINATED ALKYL ACIDS BY ISOTOPE DILUTION (PFAS)													
Perfluorobutanoic Acid (PFBA)	-	0.0025		0.00184	0.000418	J	0.0019	0.000505	J	0.00183	ND		0.00181
Perfluoropentanoic Acid (PFPeA)	-	0.00135	J	0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorobutanesulfonic Acid (PFBS)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorohexanoic Acid (PFHxA)	-	0.00102	J	0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluoroheptanoic Acid (PFHpA)	-	0.000672	J	0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorohexanesulfonic Acid (PFHxS)	-	0.000572	J	0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorooctanoic Acid (PFOA)	0.0067	0.00178	J	0.00184	ND		0.0019	ND		0.00183	ND		0.00181
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	-	0.000598	J	0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluoroheptanesulfonic Acid (PFHpS)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorononanoic Acid (PFNA)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorooctanesulfonic Acid (PFOS)	0.0027	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorodecanoic Acid (PFDA)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluoroundecanoic Acid (PFUnA)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorodecanesulfonic Acid (PFDS)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorooctanesulfonamide (FOSA)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorododecanoic Acid (PFDoA)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorotridecanoic Acid (PFTrDA)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
Perfluorotetradecanoic Acid (PFTA)	-	ND		0.00184	ND		0.0019	ND		0.00183	ND		0.00181
PFOA/PFOS, Total	0.010	0.00178	J	0.00184	ND		0.0019	ND		0.00183	ND		0.00181

Notes:
All results reported in micrograms per liter (ug/L).
Q - Data Qualifer
RL - Laboratory reporting limit
J - Compound found at a concentration below the RL but above the method detection limit.
"-" Indicates a std. does not exist

TABLE 14

Sub-Slab and Indoor Air Sample Results

Rite Aid, 350 Niagara Street, Buffalo, New York

			SAMPLE ID:	OUTDOOR			SS-1				IA-1				SS-2				IA-2			
			COLLECTION DATE:	3/27/2017			3/27/2017				3/27/2017				3/27/2017				3/27/2017			
			SAMPLE LOCATION	Outdoor			Sub-slab				Indoor Air				Sub-slab				Indoor Air			
	Sub-Slab Criteria*	Indoor Air Criteria*																				
ANALYTE	(ug/m3)	(ug/m3)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Dichlorodifluoromethane			1.86		0.989	-	ND		9.89	-	1.59		0.989	-	ND		9.89	-	2.1		0.989	-
Chloromethane			1.04		0.413	-	ND		4.13	-	0.799		0.413	-	ND		4.13	-	1.06		0.413	-
Freon-114			ND		1.4	-	ND		14	-	ND		1.4	-	ND		14	-	ND		1.4	-
Vinyl chloride	≤60	≤0.2	ND		0.051	-	ND		5.11	-	ND		0.051	-	ND		5.11	-	ND	-	0.051	-
1,3-Butadiene			ND		0.442	-	ND		4.42	-	ND		0.442	-	ND		4.42	-	ND		0.442	-
Bromomethane			ND		0.777	-	ND		7.77	-	ND		0.777	-	ND		7.77	-	ND		0.777	-
Chloroethane			ND		0.528	-	ND		5.28	-	ND		0.528	-	ND		5.28	-	ND		0.528	-
Ethanol			10.8		9.42	-	ND		94.2	-	326		9.42	-	108		94.2	-	335		9.42	-
Vinyl bromide			ND		0.874	-	ND		8.74	-	ND		0.874	-	ND		8.74	-	ND		0.874	-
Acetone			7.32		2.38	-	70.6		23.8	-	26.6		2.38	-	122		23.8	-	27.1		2.38	-
Trichlorofluoromethane			ND		1.12	-	ND		11.2	-	1.15		1.12	-	ND		11.2	-	ND		1.12	-
Isopropanol			12.1		1.23	-	15.3		12.3	-	50.1		1.23	-	21.4		12.3	-	54.1		1.23	-
1,1-Dichloroethene	≤60	≤0.2	ND		0.079	-	ND		7.93	-	ND		0.079	-	ND		7.93	-	ND		0.079	-
Tertiary butyl Alcohol			ND		1.52	-	ND		15.2	-	ND		1.52	-	ND		15.2	-	ND		1.52	-
Methylene chloride	≤100.0	≤3.0	ND		1.74	-	ND		17.4	-	ND		1.74	-	ND		17.4	-	ND		1.74	-
3-Chloropropene			ND		0.626	-	ND		6.26	-	ND		0.626	-	ND		6.26	-	ND		0.626	-
Carbon disulfide			ND		0.623	-	ND		6.23	-	ND		0.623	-	ND		6.23	-	ND		0.623	-
Freon-113			ND		1.53	-	ND		15.3	-	ND		1.53	-	ND		15.3	-	ND		1.53	-
trans-1,2-Dichloroethene			ND		0.793	-	ND		7.93	-	ND		0.793	-	ND		7.93	-	ND		0.793	-
1,1-Dichloroethane			ND		0.809	-	ND		8.09	-	ND		0.809	-	ND		8.09	-	ND		0.809	-
Methyl tert butyl ether			ND		0.721	-	ND		7.21	-	ND		0.721	-	ND		7.21	-	ND		0.721	-
2-Butanone			ND		1.47	-	17.9		14.7	-	ND		1.47	-	24.4		14.7	-	ND		1.47	-
cis-1,2-Dichloroethene	≤60	≤0.2	ND		0.079	-	ND		7.93	-	ND		0.079	-	ND		7.93	-	ND		0.079	-
Ethyl Acetate			ND		1.8	-	ND		18	-	8.94		1.8	-	ND		18	-	9.15		1.8	-
Chloroform			ND		0.977	-	ND		9.77	-	ND		0.977	-	ND		9.77	-	ND		0.977	-
Tetrahydrofuran			ND		1.47	-	ND		14.7	-	ND		1.47	-	58.1		14.7	-	ND		1.47	-
1,2-Dichloroethane			ND		0.809	-	ND		8.09	-	ND		0.809	-	ND		8.09	-	ND		0.809	-
n-Hexane			ND		0.705	-	8.28		7.05	-	0.973		0.705	-	33.5		7.05	-	ND		0.705	-
1,1,1-Trichloroethane	≤100.0	≤3.0	ND		0.109	-	ND		10.9	-	ND		0.109	-	ND		10.9	-	ND		0.109	-
Benzene			ND		0.639	-	ND		6.39	-	ND		0.639	-	9.26		6.39	-	ND		0.639	-
Carbon tetrachloride	≤60	≤0.2	0.409		0.126	-	ND		12.6	-	0.56		0.126	-	ND		12.6	-	0.566	-	0.126	-
Cyclohexane			ND		0.688	-	ND		6.88	-	ND		0.688	-	29.7		6.88	-	ND		0.688	-
1,2-Dichloropropane			ND		0.924	-	ND		9.24	-	ND		0.924	-	ND		9.24	-	ND		0.924	-
Bromodichloromethane			ND		1.34	-	ND		13.4	-	ND		1.34	-	ND		13.4	-	ND		1.34	-
1,4-Dioxane			ND		0.721	-	ND		7.21	-	ND		0.721	-	ND		7.21	-	ND		0.721	-
Trichloroethene	≤60	≤0.2	ND		0.107	-	221		10.7	-	0.161		0.107	-	14.5		10.7	-	0.156	-	0.126	-
2,2,4-Trimethylpentane			ND		0.934	-	ND		9.34	-	ND		0.934	-	ND		9.34	-	ND		0.934	-
Heptane			ND		0.82	-	ND		8.2	-	1.18		0.82	-	33.2		8.2	-	1.2		0.82	-
cis-1,3-Dichloropropene			ND		0.908	-	ND		9.08	-	ND		0.908	-	ND		9.08	-	ND		0.908	-
4-Methyl-2-pentanone			ND		2.05	-	ND		20.5	-	ND		2.05	-	ND		20.5	-	ND		2.05	-
trans-1,3-Dichloropropene			ND		0.908	-	ND		9.08	-	ND		0.908	-	ND		9.08	-	ND		0.908	-

Notes:

Units shown in micrograms per cubic meter

ND = Not detected above the Method Detection Limit (MDL)

RL = Reporting limit of the laboratory

Q = Data qualifier

* = Based on matrix comparison of IA SS data

TABLE 14

Sub-Slab and Indoor Air Sample Results

Rite Aid, 350 Niagara Street, Buffalo, New York

			SAMPLE ID:	OUTDOOR			SS-1				IA-1				SS-2				IA-2			
			COLLECTION DATE:	3/27/2017			3/27/2017				3/27/2017				3/27/2017				3/27/2017			
			SAMPLE LOCATION	Outdoor			Sub-slab				Indoor Air				Sub-slab				Indoor Air			
	Sub-Slab Criteria*	Indoor Air Criteria*																				
ANALYTE	(ug/m3)	(ug/m3)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
1,1,2-Trichloroethane			ND		1.09	-	ND		10.9	-	ND		1.09	-	ND		10.9	-	ND		1.09	-
Toluene			2		0.754	-	8.4		7.54	-	3.99		0.754	-	16.1		7.54	-	3.64		0.754	-
2-Hexanone			ND		0.82	-	ND		8.2	-	ND		0.82	-	ND		8.2	-	ND		0.82	-
Dibromochloromethane			ND		1.7	-	ND		17	-	ND		1.7	-	ND		17	-	ND		1.7	-
1,2-Dibromoethane			ND		1.54	-	ND		15.4	-	ND		1.54	-	ND		15.4	-	ND		1.54	-
Tetrachloroethene	≤100	≤3.0	ND		0.136	-	136		13.6	-	0.936		0.136	-	80		13.6	-	0.997	-	0.136	-
Chlorobenzene			ND		0.921	-	ND		9.21	-	ND		0.921	-	ND		9.21	-	ND		0.921	-
Ethylbenzene			ND		0.869	-	ND		8.69	-	ND		0.869	-	ND		8.69	-	ND		0.869	-
p/m-Xylene			ND		1.74	-	ND		17.4	-	ND		1.74	-	ND		17.4	-	ND		1.74	-
Bromoform			ND		2.07	-	ND		20.7	-	ND		2.07	-	ND		20.7	-	ND		2.07	-
Styrene			ND		0.852	-	ND		8.52	-	ND		0.852	-	ND		8.52	-	ND		0.852	-
1,1,2,2-Tetrachloroethane			ND		1.37	-	ND		13.7	-	ND		1.37	-	ND		13.7	-	ND		1.37	-
o-Xylene			ND		0.869	-	ND		8.69	-	ND		0.869	-	ND		8.69	-	ND		0.869	-
4-Ethyltoluene			ND		0.983	-	ND		9.83	-	ND		0.983	-	ND		9.83	-	ND		0.983	-
1,3,5-Trimethylbenzene			ND		0.983	-	ND		9.83	-	ND		0.983	-	ND		9.83	-	ND		0.983	-
1,2,4-Trimethylbenzene			ND		0.983	-	ND		9.83	-	ND		0.983	-	ND		9.83	-	ND		0.983	-
Benzyl chloride			ND		1.04	-	ND		10.4	-	ND		1.04	-	ND		10.4	-	ND		1.04	-
1,3-Dichlorobenzene			ND		1.2	-	ND		12	-	ND		1.2	-	ND		12	-	ND		1.2	-
1,4-Dichlorobenzene			ND		1.2	-	ND		12	-	2.37		1.2	-	ND		12	-	2.67		1.2	-
1,2-Dichlorobenzene			ND		1.2	-	ND		12	-	ND		1.2	-	ND		12	-	ND		1.2	-
1,2,4-Trichlorobenzene			ND		1.48	-	ND		14.8	-	ND		1.48	-	ND		14.8	-	ND		1.48	-
Hexachlorobutadiene			ND		2.13	-	ND		21.3	-	ND		2.13	-	ND		21.3	-	ND		2.13	-
VOLATILE ORGANICS IN AIR BY SIM																						
Vinyl chloride			ND		0.051	-	-		-	-	ND		0.051	-	-		-	-	ND		0.051	-
1,1-Dichloroethene			ND		0.079	-	-		-	-	ND		0.079	-	-		-	-	ND		0.079	-
cis-1,2-Dichloroethene			ND		0.079	-	-		-	-	ND		0.079	-	-		-	-	ND		0.079	-
1,1,1-Trichloroethane			ND		0.109	-	-		-	-	ND		0.109	-	-		-	-	ND		0.109	-
Carbon tetrachloride			0.409		0.126	-	-		-	-	0.56		0.126	-	-		-	-	0.566		0.126	-
Trichloroethene			ND		0.107	-	-		-	-	0.161		0.107	-	-		-	-	0.156		0.107	-
Tetrachloroethene			ND		0.136	-	-		-	-	0.936		0.136	-	-		-	-	0.997		0.136	-

Notes:

Units shown in micrograms per cubic meter

ND = Not detected above the Method Detection Limit (MDL)

RL = Reporting limit of the laboratory

Q = Data qualifier

* = Based on matrix comparison of IA SS data

TABLE 16
Soil Samples Exceeeding Groundwater Protection SCOs
Rite Aid
350 Niagara Street, Buffalo, New York

Sample ID			B-6		SB-2		SB-3		TP-3		TP-4	
Sample Date			12/28/2013		7/14/2014		7/14/2014		3/30/2017		3/30/2017	
Investigation			AEI Phase II		Leader Site Invest.		Leader Site Invest.		Leader RI		Leader RI	
Sample Depth (feet)			4' - 8'		5' - 6'		4' - 5'		8'		5'	
ANALYTE	GWSCO	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatile Organics by GC/MS												
Benzo(a)anthracene	1	mg/kg	NA		1.2		0.16		ND		7.9	E
Benzo(b)fluoranthene	1.7	mg/kg	NA		0.82		0.21		ND		9.5	E
Benzo(k)fluoranthene	1.7	mg/kg	NA		0.75		0.19		ND		2.6	
Chrysene	1	mg/kg	NA		1.1		0.27		ND		6.8	
Volatile Organics by GC/MS												
Acetone	0.05	mg/kg	ND		0.068		0.13		0.084		ND	
Benzene	0.06	mg/kg	0.096	J	< 6.0	U	ND		ND		0.0099	U
Ethylbenzene	1	mg/kg	1.5		< 6.0	U	ND		ND		0.0099	U
Total Xylenes	1.6	mg/kg	2.6		< 6.0	U	ND		ND		0.002	U

Notes:
mg/kg - milligrams per kilogram
U - Analyte was not detected above the sample quantitation limit
J - The reported result is an estimate; the result is below the instrument minimum calibration level, but above the method detection limit
GWSCO - Part 375 Protection of Groundwater Soil Cleanup Objective (SCO)
NA - Not analyzed
Shaded data box indicates analyte exceeds GWSCO
ND - not detected

TABLE 17
Comparisons of 2014 and 2017 Indoor Air and Sub-slab Sample Results
Rite Aid, 350 Niagara Street, Buffalo, New York

SAMPLE ID:			S-1		S-2		S-3		OUTDOOR		IA1		IA2		SS1		SS2	
COLLECTION DATE:			4/14/2014		4/14/2014		4/14/2014		3/27/2017		3/27/2017		3/27/2017		3/27/2017		3/27/2017	
SAMPLE LOCATION:			Sub-slab		Sub-slab		Indoor Air		Outdoor		Indoor Air		Indoor Air		Sub-slab		Sub-slab	
ANALYTE	Guidance Values Derived by NYSDOH	USEPA BASE 90th Percentile for Indoor Air	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL	Conc	RL
1,4-Dichlorobenzene	-	1.3	<1.2	1.2	<1.2	1.2	<1.2	1.2	ND	1.2	***2.37***	1.2	***2.67***	1.2	ND	12	ND	12
2-Butanone	-	-	5.46	0.59	5.9	1.47	1.88	0.59	ND	1.47	ND	1.47	ND	1.47	17.9	14.7	24.4	14.7
Acetone	-	110	27.3	2.38	20	2.38	85.8	2.38	7.32	2.38	26.6	2.38	27.1	2.38	70.6	23.8	122	23.8
Benzene	-	15	1.5	0.639	2.78	0.639	0.649	0.639	ND	0.639	ND	0.639	ND	0.639	ND	6.39	9.26	6.39
Carbon tetrachloride	-	0.8	<1.26	1.26	<1.26	1.26	<1.26	1.26	0.409	0.126	0.56	0.126	0.566	0.126	ND	12.6	ND	12.6
Chloroethane	-	< 0.25	<0.528	0.528	<0.528	0.528	1.26	0.528	ND	0.528	ND	0.528	ND	0.528	ND	5.28	ND	5.28
Chloromethane	-	3.3	<0.413	0.413	<0.413	0.413	1.33	0.413	1.04	0.413	0.799	0.413	1.06	0.413	ND	4.13	ND	4.13
Cyclohexane	-	8.1	3.65	0.688	23.9	0.688	0.974	0.688	ND	0.688	ND	0.688	ND	0.688	ND	6.88	29.7	6.88
Dichlorodifluoromethane	-	15	2.34	0.989	2.22	0.989	2.29	0.989	1.86	0.989	1.59	0.989	2.1	0.989	ND	9.89	ND	9.89
Ethanol	-	1,400	57.8	9.42	57.1	9.42	494	9.42	10.8	9.42	326	9.42	335	9.42	ND	94.2	108	94.2
Ethyl Acetate	-	-	2.28	1.8	2.32	1.8	26.8	1.8	ND	1.8	8.94	1.8	9.15	1.8	ND	18	ND	18
Heptane	-	-	7.83	0.82	31.8	0.82	<0.820	0.82	ND	0.82	1.18	0.82	1.2	0.82	ND	8.2	33.2	8.2
Isopropanol	-	-	50.4	1.23	41.5	1.23	28.3	1.23	12.1	1.23	50.1	1.23	54.1	1.23	15.3	12.3	21.4	12.3
n-Hexane	-	18	6.98	0.705	35.2	0.705	0.786	0.705	ND	0.705	0.973	0.705	ND	0.705	8.28	7.05	33.5	7.05
Tetrachloroethene	100	2.9	4.71	0.136	<1.36	0.136	<1.36	0.136	ND	0.136	0.936	0.136	0.997	0.136	**136**	13.6	80	13.6
Tetrahydrofuran	-	3.3	3.16	0.59	2.73	1.47	<0.59	0.59	ND	1.47	ND	1.47	ND	1.47	ND	14.7	58.1	14.7
Toluene	-	58	1.6	0.754	2.61	0.754	5.88	0.754	2	0.754	3.99	0.754	3.64	0.754	8.4	7.54	16.1	7.54
Trichloroethene	5	0.5	**59.7**	0.107	<1.07	0.107	<1.07	0.126	ND	0.107	0.161	0.107	0.156	0.126	**221**	10.7	**14.5**	10.7
Trichlorofluoromethane	-	17	1.44	1.12	1.46	1.12	1.16	1.12	ND	1.12	1.15	1.12	ND	1.12	ND	11.2	ND	11.2

Notes:
Units shown in micrograms per cubic meter
ND = Not detected above the Method Detection Limit (MDL)
RL = Laboratory reporting limit
Bold indicates exceedance of USEPA BASE 90th Percentile Indoor Air guidance (aplies to Indoor Air only)
Bold and Shading indicates exceedance of NYSDOH guidance value
"-" indicates value does not exist

Table 18
Potential Human Health Exposure Assessment

Impacted Media	Surface Soil			Subsurface Soil/Fill			Groundwater		
Exposure Pathway	**Direct Contact**	**Inhalation**	**Ingestion**	**Direct Contact**	**Inhalation**	**Ingestion**	**Direct Contact**	**Inhalation**	**Ingestion**
On-Site Receptor									
Employees									
Visitors									
Utility Workers				X	X	X	X	X	
Off-Site Receptor									
Residents			X						
Visitors			X						
Utility Workers	X		X	X		X			

X = Exposure possible.

APPENDIX 1

PREVIOUS ASSESSMENTS AND INVESTIGATIONS

Geotechnical Report and Phase I ESA
Buffalo Drilling Company

BUFFALO DRILLING COMPANY
INC.
10440 MAIN STREET
CLARENCE, NEW YORK
14031
(716) 759-7821
FAX (716) 759-7823

February 7, 1995 JOB NO: 94-316

Ellicott Development Company
210 Ellicott Square Building
Buffalo, New York 14203-2545

ATTN: Mr. Paul Moretta

#0497

RE: Subsurface Explorations, Geotechnical Engineering and Phase I Environmental Site Assessment Report for a Proposed Rite Aid and Retail Facility, Niagara, Seventh, and Virginia Streets Buffalo, New York (P.O. No. 7173SM)

Gentlemen:

This report presents the findings of the subsurface investigation program, geotechnical engineering recommendations, and Phase I Environmental Site Assessment, per American Society of Testing and Materials (ASTM) Standard E 1527, for the above referenced project. The project site is illustrated in Figure No. 1, entitled "Boring Location Plan" which includes: approximate locations of ten test borings that were drilled by Buffalo Drilling Company, Inc. (BDC) between November 1 and 5, 1994; relative ground surface elevations; and additional site details.

EXPLORATION METHODS

A truck mounted Diedrich D-50 rotary drill rig was used to drill ten test borings by using 4-1/4 inch inside diameter (ID), continuous flight hollow stem augers. Soil samples were recovered by driving a standard split-spoon sampler (2 foot long by 1-3/8 inch inside diameter) 24 inches with a 140 pound hammer falling 30 inches per each blow (ASTM D1586). The number of

blows from six inches to 18 inches of penetration is defined as the Standard Penetration Test (SPT) N-value.

The soil samples were initially logged in the field by the driller, and a portion of each soil sample was placed and sealed in a glass jar. The boring logs, which are included as Appendix A, were prepared and based upon the driller's log and a second visual classification of recovered soil samples in the laboratory by a B.S. degreed geologist. Classification of soil samples, as noted on the boring logs, is based on the Unified Soil Classification System (USCS). Refer to Appendix D entitled "Geotechnical Reference Standards" for an explanation of the terminology used for soil and rock descriptions.

SITE AND SUBSURFACE CONDITIONS

The site is currently occupied by residential and commercial buildings, which are addressed as 338 to 370 Niagara Street and 265 to 283 Seventh Street in Buffalo, New York. In general, subsurface conditions, beneath a topsoil or asphalt veneer, consist of an upper random fill layer that is underlain by naturally deposited clay and silt units.

The fill layer was encountered at all test boring locations, except boring B-2, and was comprised of both granular and cohesive soil components. The granular fill material consists of a very loose to medium dense mixture of sand, gravel, silt, clay, rubble, cinders, brick, glass, and organic matter. A significant amount of brick fill was encountered at the surface in borings B-5, B-7, and B-8. The cohesive fill material was described as a

clay and silt which is intermixed with lesser amounts of sand, gravel, rubble, cinders, brick, glass and organic matter. Consistencies and plasticities of the cohesive fill were noted as medium stiff to very stiff and slightly plastic to moderately plastic, respectively. Moisture contents within the fill layer varied from moist to wet.

A naturally deposited, moist, silty clay unit was encountered below the fill layer at all boring locations, except boring B-8. Boring B-8 has ten feet of overlying fill material and is most likely a former building basement. This cohesive layer, which ranged in thickness from approximately two to ten feet, is comprised of stiff to hard, moderately plastic silty clay with trace amounts of sand.

Several of the boring locations were extended through the silty clay into a unit of non-plastic to moderately plastic silt. Samples that were retrieved from within this moist to saturated layer were comprised of varying amounts of clay and sand in a stiff to hard silt.

A thin unit of moderately plastic silty clay, with lesser amounts of sand and gravel, underlies the silt layer. The consistency ranged from soft to very stiff and the moisture content was wet. This silty clay unit appears to overly bedrock at a depth of 27 feet or at a relative elevation of 73 feet. The high number of blows in the final six inches of the driving of the spilt spoon sampler is an indication of the apparent top of bedrock surface.

Groundwater was encountered at some of the boring locations at depths ranging between approximately three and 13 feet below the existing ground surface. The shallow water level measurement reflects a localized perched water table condition that most likely resides within the former basement areas of buildings. Groundwater readings were taken at completion of drilling efforts and therefore adequate time for groundwater level to recharge to static conditions was probably not allowed. Fluctuations in groundwater level may occur due to other factors than those present during field operations.

FOUNDATION DESIGN AND CONSTRUCTION RECOMMENDATIONS

This section will present and discuss recommendations on foundation design and construction, placement and testing of controlled fills, and subgrade and subbase requirements for concrete floor slabs, paved roadway and parking areas. In summary, shallow bearing wall/strip footings and/or column footings that bear on a one foot minimum thick layer of compacted select granular fill is recommended with a maximum net allowable soil bearing pressure of 2,000 pounds per square foot (psf) of footing area.

Detailed topographic information and final site grades were not available, during the preparation of this report. On-site observations at the test boring locations identified a relatively level ground surface. The ground surface varies by less than approximately one foot across the boring locations, except boring B-9. The finish floor elevation has not been provided. It is

assumed that the existing elevations of the site will not change substantially for the proposed construction. It appears that little fill placement will be needed to achieve the final grades.

General site preparation will include the demolition and complete removal of any foundations and floor slabs, and removing all unsuitable surficial material (i.e., asphalt pavement, concrete, brick, organic or topsoil layer, and construction and demolition-like fill) to a depth where firm, naturally occurring natural silty clay soils or silt-clay fills are encountered. In particular, note that brick and rubble-like fill, if encountered as in borings B-5, B-7 and B-8, will require undercutting. For a concrete slab-on-grade construction, the existing silt-clay fills and natural silty clay soils are then to be prepared in the areas of the proposed building pad as follows:

1. strip to suggested subgrade elevation which is two feet, at a minimum, below the bottom of the slab-on-grade;

2. thoroughly compact entire subgrade to more than 92% maximum dry density by ASTM D1557;

3. proof roll subgrade with fully loaded 10-wheel truck to determine the presence of soft and severely disturbed zones;

4. remove/undercut any soft spots and strip any unsuitable fill material, and place either select granular fill, such as a number two crusher run, or suitable stripped fill material in loose lifts and compact to more than 92% maximum dry density by ASTM D1557; and

5. place the previously stripped suitable fill material as a subbase layer in loose lifts, not exceeding 8 inches, and compact to more than 92% maximum dry density by ASTM D1557 for the required number of lifts, for a one foot minimum thick subbase, up to the elevation for the placement of the select granular fill for the concrete slab base course.

Excavated on-site soil, that is the slightly to moderately plastic silt-clay, is preliminary concluded to be acceptable for placement as wall backfill and within load bearing areas with proper moisture control and placement methods. These materials, if reused on-site, are to be free of any construction-like material (i.e., concrete chunks, asphalt, brick, wood, etc.) and organic matter/debris. In the load bearing areas (i.e., beneath asphalt pavement and concrete floor slabs), a suitable fill that consists of the on-site fill or an approved import material is placed and compacted, as noted above, in lifts up to the elevation required for the placement of the select granular fill for the base course.

Refer to Appendix C entitled "General Earthwork Specification" for definition of fill types and gradation, recommended minimum compaction requirements for various site developments, and placement and compaction methods. In general, all select fills within load bearing areas should be placed in maximum loose lift thicknesses not exceeding eight inches and uniformly compacted to a minimum of 95 percent of the maximum dry density as determined by the Modified Proctor Method of Compaction (ASTM D1557). A geotextile strength and filter fabric is recommended to be placed on the prepared subgrade.

Proposed site development is expected to include a one-story pharmacy and a one-story retail building with a total floor area of approximately 20,140 square feet. The structures will most likely be constructed with exterior and interior bearing walls

and, possibly, bearing columns. The total bearing wall and column loads are not expected to exceed four kips per lineal foot and 70 kips, respectively. The first floor is recommended to be a concrete slab-on-grade that is underlain by a minimum twelve inch thick layer of number two crusher run stone or equal. As it was previously noted, a geotextile separation fabric is recommended to stabilize the sensitive silty material that would be used for the subgrade and/or subbase layer. Select granular fill material may optionally be used for the subbase layer.

The foundation system for the proposed structures are recommended to be continuous strip-column footings and/or individual interior column footings, as needed. The footings would be founded on a one foot minimum thick layer of thoroughly compacted select granular fill. The final top of floor slab and exterior final grade at the building are assumed to be at relative elevations of 100.5 feet and 100 feet, respectively.

The exterior strip-column footings are suggested to include excavating a foundation trench centered about the wall centerline and extending to a minimum depth of five feet below final grade (to provide adequate protection from frost). The excavated depth for the interior strip-column footings will be a minimum of three and one-half feet below finish floor or may be at the same relative elevation as the exterior footings. The contact surfaces of the foundation trench bottoms are to be in a very stiff/very dense state or thoroughly compacted prior to select fill placement and subsequent footing construction. It is

strongly recommended that the trench bottom is thoroughly inspected by experienced geotechnical personnel. All trench bottoms which are found to be on soft or in any manner unacceptable material, especially any organic and brick/rubble fill layers, must be undercut to a stable bearing grade. Undercut areas beneath proposed shallow foundations must extend laterally beyond each vertically projected edge of the foundation by a minimum distance equal to one-half the total depth of the undercut or equating to a slope of two vertical to one horizontal. Side slopes of the trench excavation should be one on one (vertical to horizontal distance) or flatter. The undercut shall be backfilled with select granular fill that is placed in loose lifts not exceeding eight inches deep and compacted to a minimum 95 percent of maximum dry density as determined by ASTM D1557. For the interior footings, select granular fill can then be similarly placed and compacted, in the appropriate number of lifts, up to the design bearing elevation for the footing.

The footings are recommended to be founded on a one foot minimum thick layer of thoroughly compacted select granular fill. Wall footing should have a minimum two foot width and column footings should have a minimum three foot width. Continuous strip/wall footings and individual column footings should be sized for the recommended maximum net allowable bearing pressure of 2,000 pounds per square foot of foundation area. Total and differential settlements of less than one inch and 3/4's inch, respectively, are expected. Refer to engineering computations,

which are included as Appendix B, for additional footing design and construction details.

In addition to the above, the following recommendations will provide additional assurances with regard to proper footing foundation construction.

a) All fill placed beneath, adjacent, or above foundations must comply with the "General Earthwork Specification", included as Appendix C.

b) Exterior foundations must be embedded a minimum of four feet below finished exterior grades for frost protection.

c) During foundation excavation and construction, surface waters should not be allowed to accumulate or pond in open trenches or on exposed bearing grades.

d) If stiff/dense fill/soil is not encountered within the required and/or recommended minimum foundation excavation depth, undercut to the stiff/dense silt-clay fill or natural silty clay and backfill with compacted and tested select granular fill.

e) All foundation undercuts and over excavations must extend laterally beyond the edges of the foundation equal to one-half of the depth of undercut, at a minimum. Select granular fill, that is compacted to a minimum 95 percent of maximum dry density (ASTM D1557), can be used to backfill undercut areas.

f) Backfill of foundation with approved select granular fill must be completed prior to placement of substantial superstructure loads.

The characteristics of the silty soils and the known frost penetration depth in Western New York requires that specific attention is provided to the design and construction of paved roadway and parking areas. It is recommended that the subgrade surface is adequately graded and/or underdrains are installed to prevent water accumulation. Due to the varying characteristics of the silt material, a geotextile filter fabric is recommended

to be placed on the prepared subgrade. Above the approved subgrade surface, a minimum eight inch thick crusher stone layer is recommended as the subbase coarse for lightly traveled roadway and parking areas. A minimum 12 inch thick subbase course is recommended for all truck routes and heavily traveled roadways. The top and binder course layers are recommended to be designed and constructed in accordance with New York State Department of Transportation, Standard Specification.

This report is based on the preliminary information that is provided by project representatives and the subsurface conditions that were encountered at the test boring locations. As detailed in Appendix E Limitations, modification regarding proposed building location and other site developments can result in changes to provided recommendations. It is recommended that the geotechnical engineer be provided the opportunity to generally review the final detailed design and contract specifications. Required earthwork and foundation construction should be done under the supervision of experienced construction personnel and in a manner consistent with proven methods. All site work should be carefully monitored and tested by experienced geotechnical personnel to assure compliance with earthwork and foundation construction specifications.

ENVIRONMENTAL SITE ASSESSMENT SUMMARY

Appendix F contains the Buffalo Drilling Company, Inc. (BDC) and James S. Barron, P.E. Consulting Engineers, P.C. (BCE) Phase I Environmental Site Assessment Report for the project site. As

the report indicates, several environmental concerns were identified for the subject property, as defined by the American Society for Testing and Materials (ASTM) E-1527 Phase I Environmental Site Assessment standard. Suspected asbestos-containing materials (SACM) may be located in various floor and ceiling tiles, thermal insulation mud joints, and vinyl cove molding in the structures that were not inspected. SACM were observed, in poor condition, and include vinyl floor tiles (340 Niagara St.), exterior house siding (265 Seventh St.), and asphalt roofing (265 to 283 Seventh St. and 340 Niagara St.). Due to the age of the structure (i.e., Spiro's Garage), there is the potential for the hydraulic lift located in the existing automobile repair garage to contain polychlorinated biphenyl (PCB) fluids and/or to have leaked. Also, several presumed oil containers and associated spillages were observed on the interior and exterior of the garage. An aboveground storage tank (AST) and several five-and fifty five-gallon containers were observed on the outside of the garage. Based on a review of Building Department records and city directories, there is the potential for underground storage tanks (USTs) to be present at 362 Niagara Street, at the site of the former Testa Service Station. There are no records at the City of Buffalo Fire Prevention Bureau which would indicate the status of any tanks at this address. It is recommended that an additional investigation be conducted in order to determine the presence or absence of USTs at this former property location.

Since it is presumed that the buildings will be scheduled for demolition, an asbestos survey is recommended to be performed. It is also recommended that the AST, the five- and fifty five-gallon containers and the associated staining, spillage, and discoloration be remediated (i.e., cleaned up) and properly disposed. The hydraulic lift should be inspected for leakage and the hydraulic fluids be sampled and analyzed for PCB fluids.

Items that are not presently considered as environmental concerns by the ASTM standard, include the following: the existence of a non-stationary, solvent-based automobile parts washer; an oil furnace; and an unknown vent pipe, that was possibly associated with an UST. Please refer to the environmental assessment report, that is included as Appendix F, for the specific details.

Thank you for the opportunity to assist on this project. If questions should arise, please call the undersigned at your earliest convenience.

Very truly yours,
BUFFALO DRILLING COMPANY, INC.

James S. Barron, P.E.
President

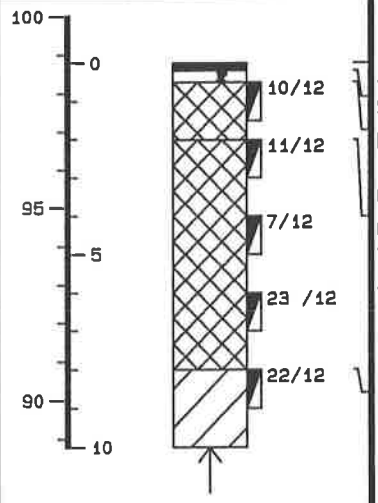
Carmen M. Panuccio
Geotechnical Engineer

APPENDIX A

TEST BORING LOGS

TEST BORING LOG

BRING NO: B-1
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/05/94 COMPLETED: 11/05/94
SURFACE ELEV (ft.) 98.8' GROUNDWATER DEPTH: No water at completion



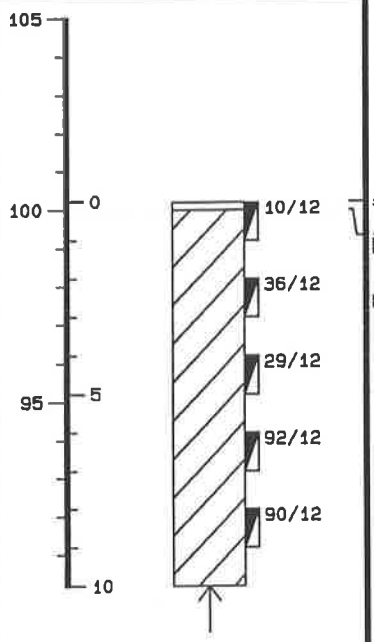
ELEV. / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
		Asphalt	S-1: 0.5-2'	61-6-4	10	20
		Subbase Gravel				
		Dk. grey, med. dense f/c Sand, little Gravel, little Rubble, moist (FILL)	S-2: 2-4'	4-5-6-6	11	40
		Brown, stiff Clay, little Silt, little f/c Sand, tr. Rubble, mod. plastic, moist (FILL)	S-3: 4-6'	2-3-4-5	7	75
		...grade: med. stiff	S-4: 6-8'	11-11-12-11	23	60
		...grade: v. stiff	S-5: 8-10'	12-10-12-13	22	85
		Brown, v. stiff CLAY, some Silt, little f/m Sand, mod. plastic, moist (CL)				

1. Bottom of hole 10.0 feet.

BUFFALO DRILLING CO., INC.

TEST BORING LOG

BRING NO: B-2
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/05/94 COMPLETED: 11/05/94
SURFACE ELEV (ft.) 100.2' GROUNDWATER DEPTH: No water at completion

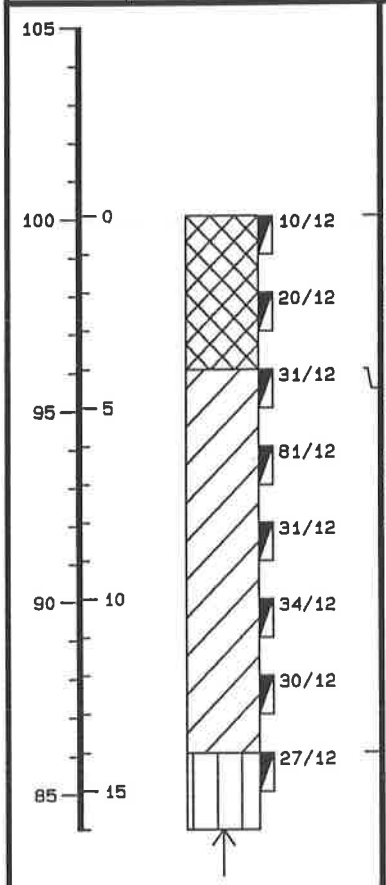


ELEV. / DEPTH	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
	Topsoil	S-1: 0-2'	1-4-6-10	10	80
	Brown, stiff CLAY, some Silt, little f/c Sand, tr. Organic matter, mod. plastic, moist (CL)	S-2: 2-4'	9-16-20-15	36	80
	...grade: hard	S-3: 4-6'	8-10-19-27	29	85
	...grade: v. stiff, and Silt				
	...grade: hard	S-4: 6-8'	35-45-47-40	92	80
		S-5: 8-10'	38-41-49-50	90	0

1. Bottom of hole 10.0 feet.

TEST BORING LOG

BRING NO: B-3
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/05/94 COMPLETED: 11/05/94
SURFACE ELEV (ft.) 100.1' GROUNDWATER DEPTH: No water at completion



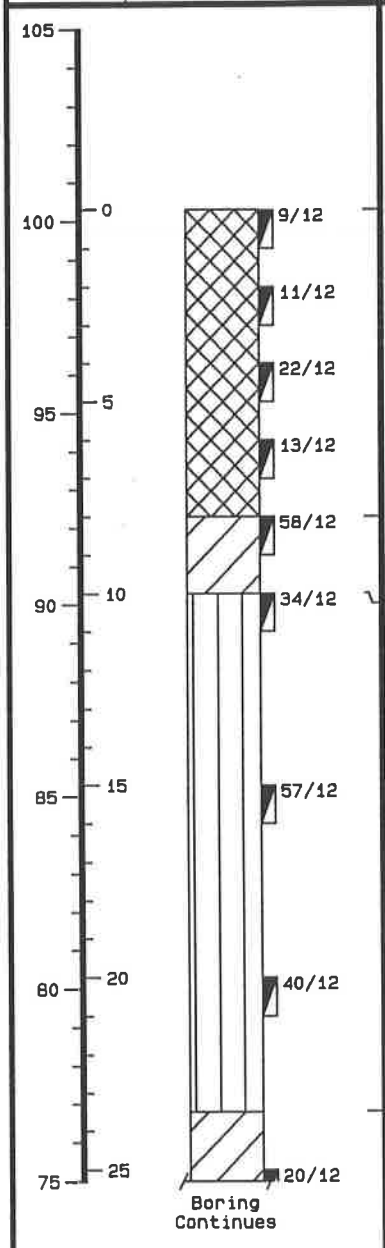
ELEV. / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
		Brown, stiff Silt and Clay, little f/c Sand, tr. Rubble, tr. Organic matter, mod. plastic, moist (FILL)	S-1: 0-2'	3-3-7-10	10	35
		...grade: v. stiff, little Clay, sl. plastic	S-2: 2-4'	5-7-13-15	20	70
		Brown, hard CLAY, some Silt, little f/m Sand, mod. plastic moist (CL)	S-3: 4-6'	8-12-19-24	31	70
		Same as S-3	S-4: 6-8'	30-37-44-38	81	80
		Same as S-3	S-5: 8-10'	11-15-16-22	31	90
		Same as S-3	S-6: 10-12'	14-15-19-21	34	75
		Same as S-3	S-7: 12-14'	7-12-18-17	30	90
		Brown, v. stiff SILT, tr. Clay, non-plastic, wet (ML)	S-8: 14-16'	15-14-13-15	27	90

1. Bottom of hole 16.0 feet.

BUFFALO DRILLING CO., INC.

TEST BORING LOG

BRING NO: B-4
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/01/94 COMPLETED: 11/01/94
SURFACE ELEV (ft.) 100.3' GROUNDWATER DEPTH: 11.0' at completion



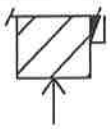
SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
Brown, stiff Clay, some Silt, little f/c Sand, little Cinders, tr. Brick, mod. plastic, moist (FILL)	S-1: 0-2'	3-3-6-7	9	90
	S-2: 2-4'	4-4-7-7	11	80
...grade: little Silt, tr. Cinders, tr. Glass	S-3: 4-6'	8-10-12-8	22	100
...grade: v. stiff				
...grade: stiff, and Silt, wet	S-4: 6-8'	6-6-7-7	13	100
Brown, hard CLAY and Silt, little f/c Sand, mod. plastic moist (CL)	S-5: 8-10'	13-20-38-50	58	100
Brown, hard SILT, some Clay, little f/m Sand, sl. plastic, moist (ML)	S-6: 10-12'	10-12-22-35	34	100
...grade: tr. Clay, non-plastic, saturated	S-7: 15-17'	18-21-36-38	57	100
Same as S-7	S-8: 20-22'	13-17-23-20	40	100
Brown, v. stiff CLAY, little Silt, tr. f/m Sand, tr. Gravel, mod. plastic, wet (CL)	S-9: 25-26.9'	6-8-12-100/5"	20	100

1. Bottom of hole 26.9 feet.

BUFFALO DRILLING CO., INC.

TEST BORING LOG

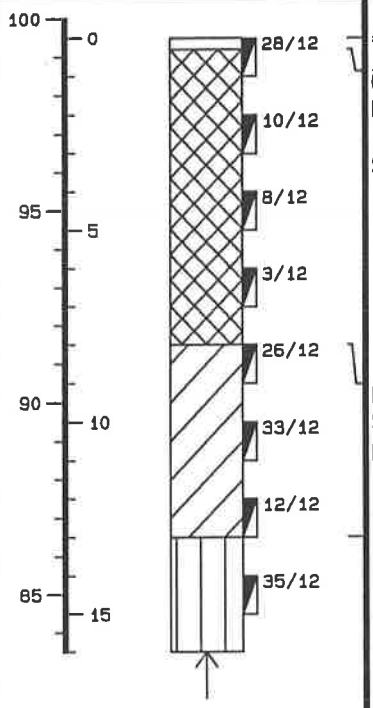
BRING NO: B-4
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/01/94 COMPLETED: 11/01/94
SURFACE ELEV (ft.) 100.3' GROUNDWATER DEPTH: 11.0' at completion

ELEV. / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
75						

1. Bottom of hole 26.9 feet.

TEST BORING LOG

BRING NO: B-5
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/05/94 COMPLETED: 11/05/94
SURFACE ELEV (ft.) 99.5' GROUNDWATER DEPTH: 3.0' at completion

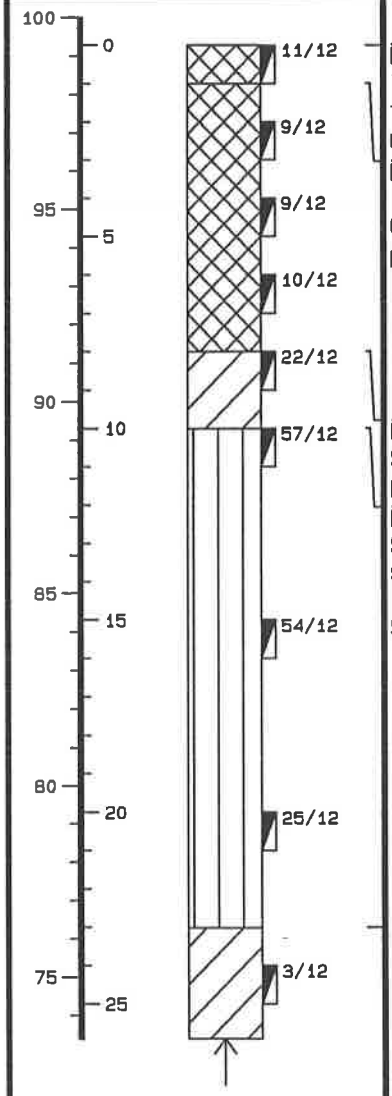


ELEV. / DEPTH	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
	Topsoil	S-1: 0-2'	10-14-14-14	28	10
	Orange/brown, med. dense Brick, little f/c Sand, little Organic matter, tr. Silt, moist (FILL)	S-2: 2-4'	5-5-5-7	10	10
	...grade: orange/yellow, little Rubble, tr. Organic matter	S-3: 4-6'	6-5-3-4	8	10
	...grade: loose	S-4: 6-8'	1-1-2-6	3	20
	...grade: v. loose, some Clay little Silt, tr. Rubble	S-5: 8-10'	8-13-13-20	26	80
	Brown, v. stiff CLAY, some Silt, little f/m Sand, mod. plastic, moist (CL)	S-6: 10-12'	12-14-19-21	33	85
	...grade: hard	S-7: 12-14'	4-5-7-11	12	90
	...grade: stiff				
	Brown, stiff SILT, little f/m Sand, tr. Clay, non-plastic, saturated, (ML)	S-8: 14-16'	20-16-19-24	35	90
	...grade: hard, little Clay sl. plastic,				

1. Bottom of hole 16.0 feet.

TEST BORING LOG

BRING NO: B-6
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/02/94 COMPLETED: 11/02/94
SURFACE ELEV (ft.) 99.3' GROUNDWATER DEPTH: 12.0' at completion

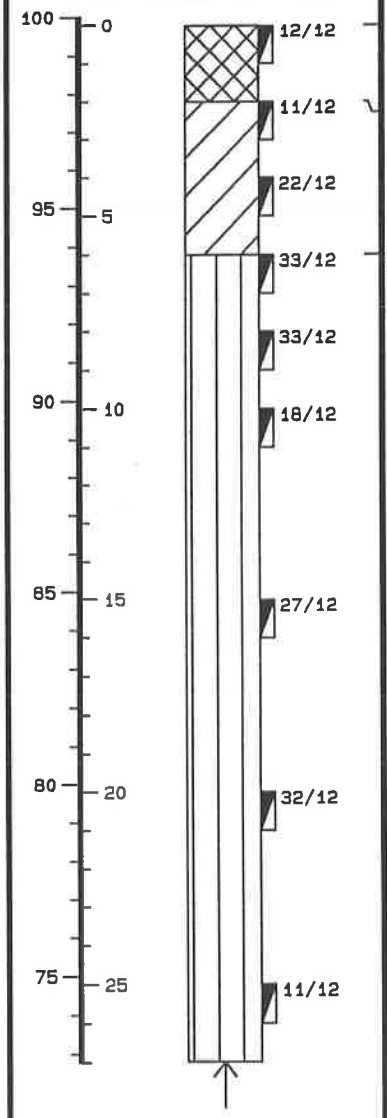


ELEV. / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
		Brown/grey, med. dense Rubble little Silt, little Brick, tr. Glass, tr. Organic matter moist (FILL)	S-1: 0-2'	3-5-6-5	11	100
			S-2: 2-4'	3-4-5-6	9	60
		Brown, stiff Clay and Silt, little f/c Sand, little Cinders, tr. Rubble, sl. plastic, moist (FILL)	S-3: 4-6'	4-4-5-6	9	80
		...grade: tr. Organic matter	S-4: 6-8'	3-4-6-8	10	85
		...grade: some Silt, mod. plastic	S-5: 8-10'	4-8-14-21	22	100
		...grade: tr. Gravel, tr. Cinders				
		Brown, v. stiff CLAY, some Silt, little f/m Sand, mod. plastic, moist (CL)	S-6: 10-12'	13-25-32-45	57	100
		Brown, hard SILT, little f/m Sand, tr. Clay, non-plastic, saturated (ML)				
		Same as S-6	S-7: 15-17'	25-26-28-31	54	100
		...grade: grey/brown, v. stiff	S-8: 20-22'	10-11-14-16	25	100
		Brown, soft CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, wet (CL)	S-9: 24-25.9'	WR-WH-3-100/5"	3	100

1. Bottom of hole 25.9 feet.

TEST BORING LOG

BRING NO: B-7
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/02/94 COMPLETED: 11/02/94
SURFACE ELEV (ft.) 99.8' GROUNDWATER DEPTH: No water at completion



SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
Orange/brown, med. dense Brick, little Silt, little Rubble, moist (FILL)	S-1: 0-2'	5-5-7-9	12	10
Brown, stiff CLAY, some Silt little f/m Sand, mod. plastic moist (CL)	S-2: 2-4'	7-6-5-10	11	90
...grade: v. stiff	S-3: 4-6'	8-10-12-16	22	100
Brown, hard SILT, little Clay little f/m Sand, sl. plastic, wet (ML)	S-4: 6-8'	10-15-18-24	33	100
...grade: tr. Clay, non-plastic, saturated	S-5: 8-10'	12-15-18-23	33	90
...grade: v. stiff	S-6: 10-12'	9-6-12-17	18	100
Same as S-6	S-8: 15-17'	10-12-15-16	27	100
...grade: hard	S-8: 20-22'	11-13-19-27	32	100
...grade: stiff, and Clay, mod. plastic	S-9: 25-27'	4-5-6-100	11	100

1. Bottom of hole 27.0 feet.

BUFFALO DRILLING CO., INC.

TEST BORING LOG

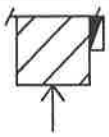
BRING NO: B-8
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/02/94 COMPLETED: 11/02/94
SURFACE ELEV (ft.) 100.1' GROUNDWATER DEPTH: 13.5' at completion

ELEV. / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
105						
100 / 0	20/12	Black/yellow, med. dense Brick and Cinders, little Silt, moist (FILL)	S-1: 0-2'	5-15-5-14	20	40
	6/12	Concrete slab	S-2: 2-4'	2-2-4-4	6	100
95 / 5	7/12	Dk. brown, med. stiff Clay and Silt, little f/c Sand, tr. Cinders, mod. plastic, moist (FILL)	S-3: 4-6'	3-4-3-4	7	100
	8/12	...grade: tr. Gravel, tr. Rubble	S-4: 6-8'	4-4-4-4	8	100
	9/12	...grade: stiff Same as S-4	S-5: 8-10'	3-4-5-6	9	100
90 / 10	21/12	Brown, v. stiff SILT, little f/m Sand, tr. Clay, non-platic, saturated (ML)	S-6: 10-12'	6-9-12-15	21	100
85 / 15	65/12	...grade: hard	S-8: 15-17'	25-30-35-36	65	100
80 / 20	35/12	Same as S-7	S-8: 20-22'	14-15-20-25	35	100
75 / 25	8/12 Boring Continues	Brown, stiff CLAY, little Silt, tr. f/m Sand, mod. plastic, wet (CL)	S-9: 25-26.9'	2-3-5-100/4"	8	100

1. Bottom of hole 26.9 feet.

TEST BORING LOG

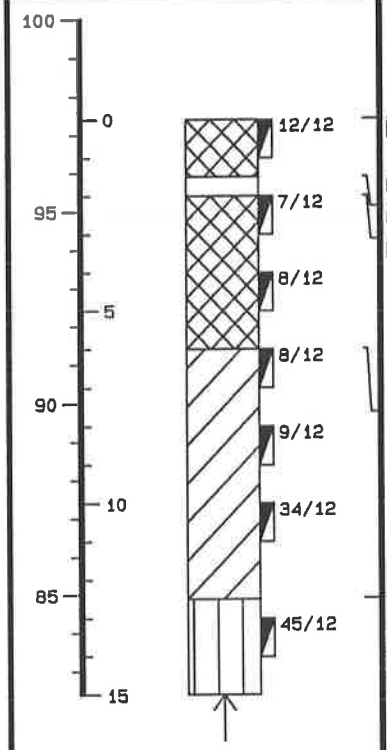
BRING NO: B-8
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/02/94 COMPLETED: 11/02/94
SURFACE ELEV (ft.) 100.1' GROUNDWATER DEPTH: 13.5' at completion

ELEV. / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
75						

1. Bottom of hole 26.9 feet.

TEST BORING LOG

BRING NO: B-9
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/02/94 COMPLETED: 11/02/94
SURFACE ELEV (ft.) 97.4' GROUNDWATER DEPTH: No water at completion



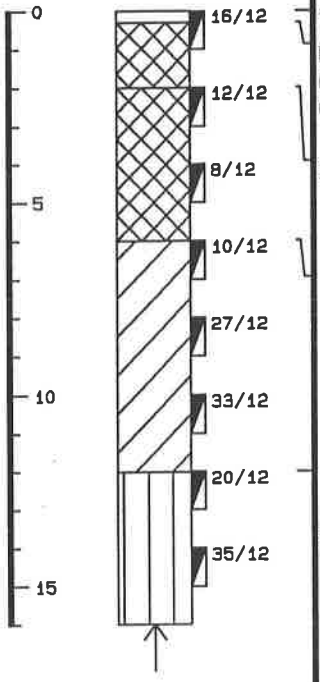
ELEV. / DEPTH	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
	Black, med. dense Cinders, little Brick, little Silt, moist (FILL)	S-1: 0-2'	5-7-5-14	12	50
	Concrete slab	S-2: 2-4'	2-5-2-2	7	60
	Brown, med. stiff Silt, little Clay, little Rubble, tr. Brick, sl. plastic, moist (FILL)	S-3: 4-6'	2-3-5-6	8	80
	...grade: stiff, little f/c Sand, little Gravel	S-4: 6-8'	4-4-4-4	8	90
	Brown, stiff CLAY, some Silt, little f/c Sand, mod. plastic moist (CL)	S-5: 8-10'	3-4-5-5	9	100
	Same as S-4 ...grade: hard, and Silt	S-6: 10-12'	10-14-20-25	34	100
	Brown, hard SILT, little f/m Sand, tr. Clay, non-plastic, saturated (ML)	S-7: 13-15'	13-18-27-30	45	100

1. Bottom of hole 15.0 feet.

BUFFALO DRILLING CO., INC.

TEST BORING LOG

BRING NO: B-10
PROJECT: Niagara at Virginia, Buffalo, NY JOB NO: 94-316
DRILLER: Joe Gardner TYPE OF DRILL RIG: Diedrich D50
SAMPLING METHOD: ASTM D1586 SIZE AND TYPE OF BIT: 4 1/4" ID auger
DATE STARTED: 11/05/94 COMPLETED: 11/05/94
SURFACE ELEV (ft.) 0 GROUNDWATER DEPTH: 3.5' at completion



ELEV. / DEPTH	SOIL AND ROCK DESCRIPTION	REMARKS	BLOWS/ .5 FT.	N VALUE	%REC (RQD)
	Topsoil	S-1: 0-2'	6-10-6-9	16	40
	Black/brown, med. dense Cinders, some Silt, little Clay, little Rubble, moist (FILL)	S-2: 2-4'	7-5-7-7	12	45
	Brown, stiff Clay, some Silt, little f/c Sand, tr. Cinders, mod. plastic, moist (FILL)	S-3: 4-6'	3-3-5-7	8	60
	Same as S-3	S-4: 6-8'	4-6-4-5	10	45
	Brown, stiff CLAY, some Silt, little f/m Sand, mod. plastic moist (CL)	S-5: 8-10'	9-11-16-18	27	60
	...grade: v. stiff				
	...grade: hard, and Silt	S-6: 10-12'	10-14-19-22	33	50
	Brown, v. stiff SILT, little f/m Sand, tr. Clay, non-plastic, wet (ML)	S-7: 12-14'	11-9-11-23	20	70
	...grade: hard, saturated	S-8: 14-16'	15-20-15-19	35	80

1. Bottom of hole 16.0 feet.

BUFFALO DRILLING CO., INC.

APPENDIX B

ENGINEERING COMPUTATIONS

Job No.: 94-316
Ellicott Development Company

Date: Jan. 27, 1995
By: C. M. Panuccio

Subject: PROPOSED PHARMACY AND RETAIL BUILDINGS
338 to 370 Niagara Street and
265 to 283 Seventh Street
Buffalo, New York

INTRODUCTION

The allowable soil bearing pressure is evaluated and schematics are presented for a conventional shallow foundation system that is for two proposed one-story buildings. The proposed structures are approximately 21,140 square feet in total area. Slab-on-grade construction is presumed.

The site is currently occupied by several structures that are presumed to have both basement areas, as well as slab-on-grade construction. Footings and foundation walls are buried at the site. These buildings will presumably be demolished. The remainder of the site area is currently an asphalt parking lot and grassed and/or vegetated areas. Underground utility (i.e., water, sewer, and natural gas) service lines, pipes and/or conduits exist on the site.

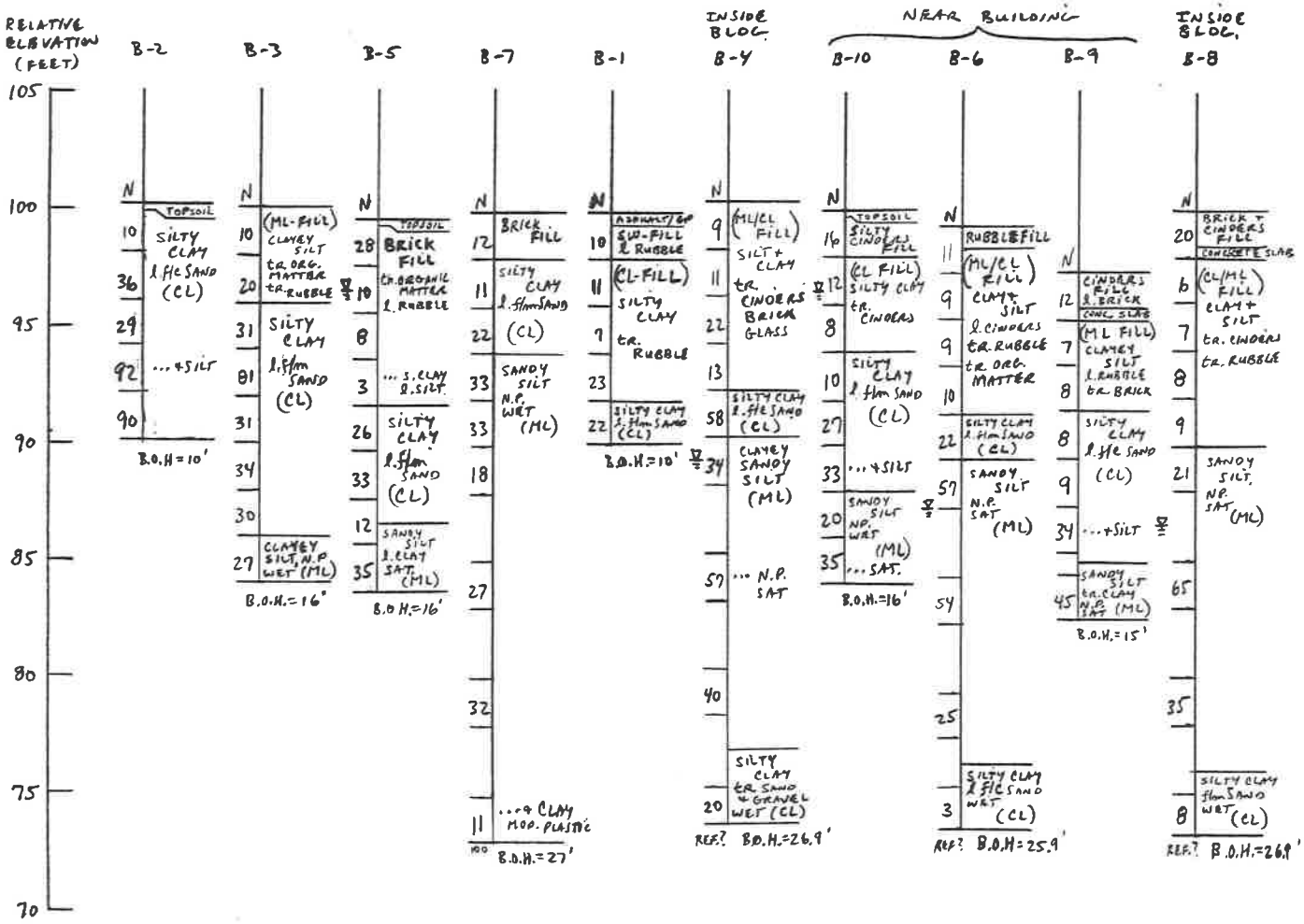
REFERENCE DOCUMENTS

The following pertinent drawing was relied upon in this engineering evaluation of the foundation system.

a) "Proposed Site Plan, Niagara & Virginia Streets, Buffalo, New York" Proposed Pharmacy and Proposed Retail Buildings, Niagara St. - Virginia St. - Seventh St., Buffalo, New York, Prepared By: H. Nemec, Project No.: 94070, Drawing No.: None, Scale: 1 in. = 30. ft., and Dated: 11-08-94.

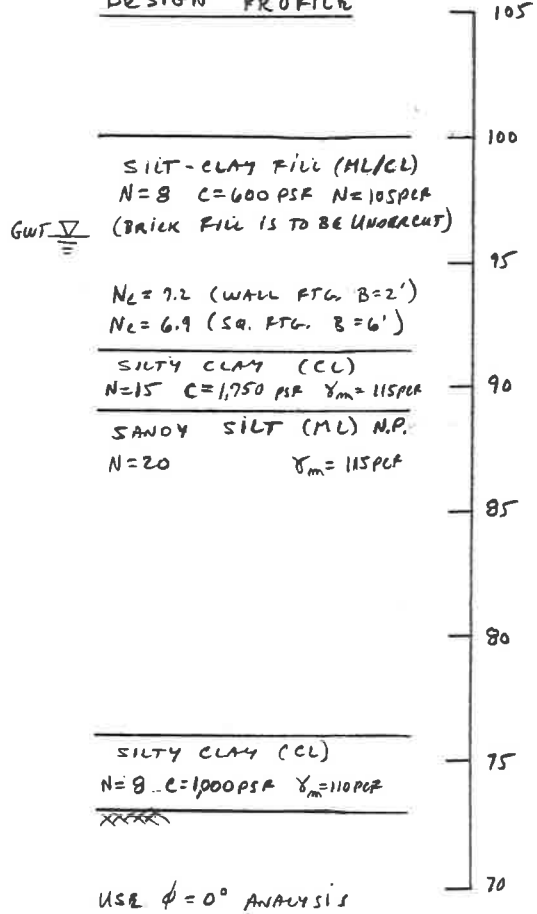
TEST BORING LOGS

SITE: NIAGARA / VIRGINIA / SEVENTH ST. BURRARD, N.Y.
JOB NO: 94-316
BY: C.M. PANUCCIO
DATE: 1-28-95
PAGE: 2 OF 9



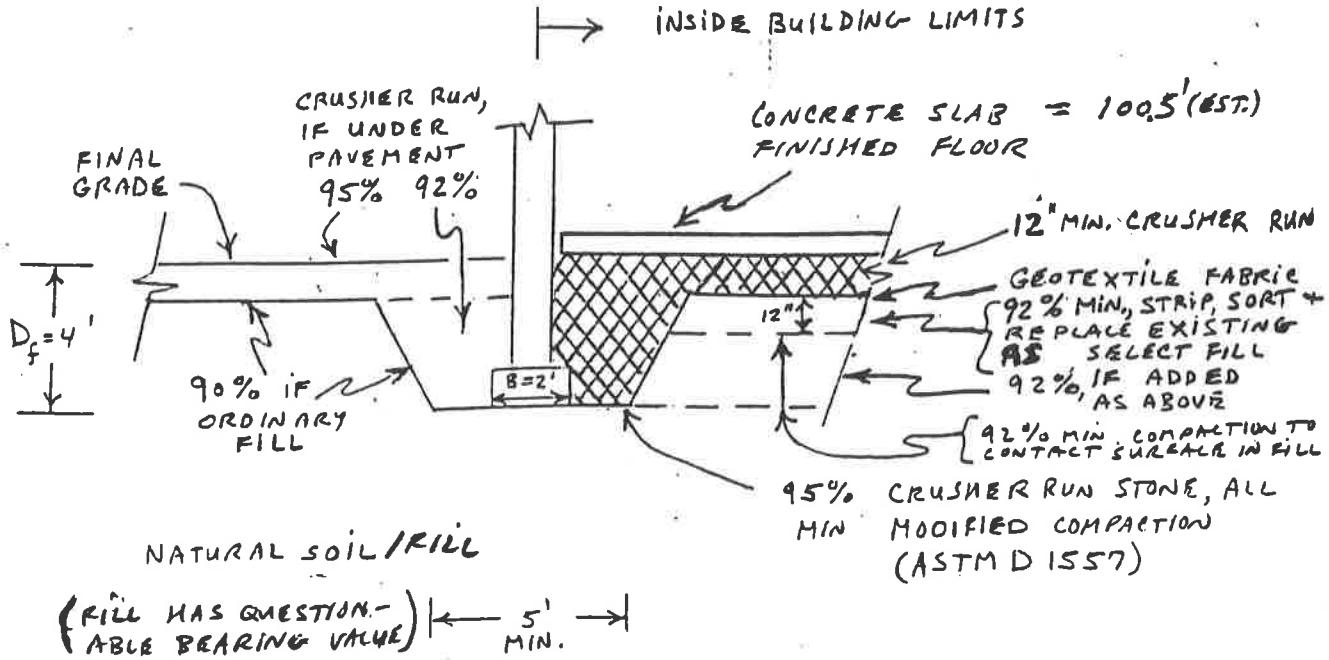
NOTE: ALL SOILS ARE MOIST EXCEPT AS NOTED.

DESIGN PROFILE

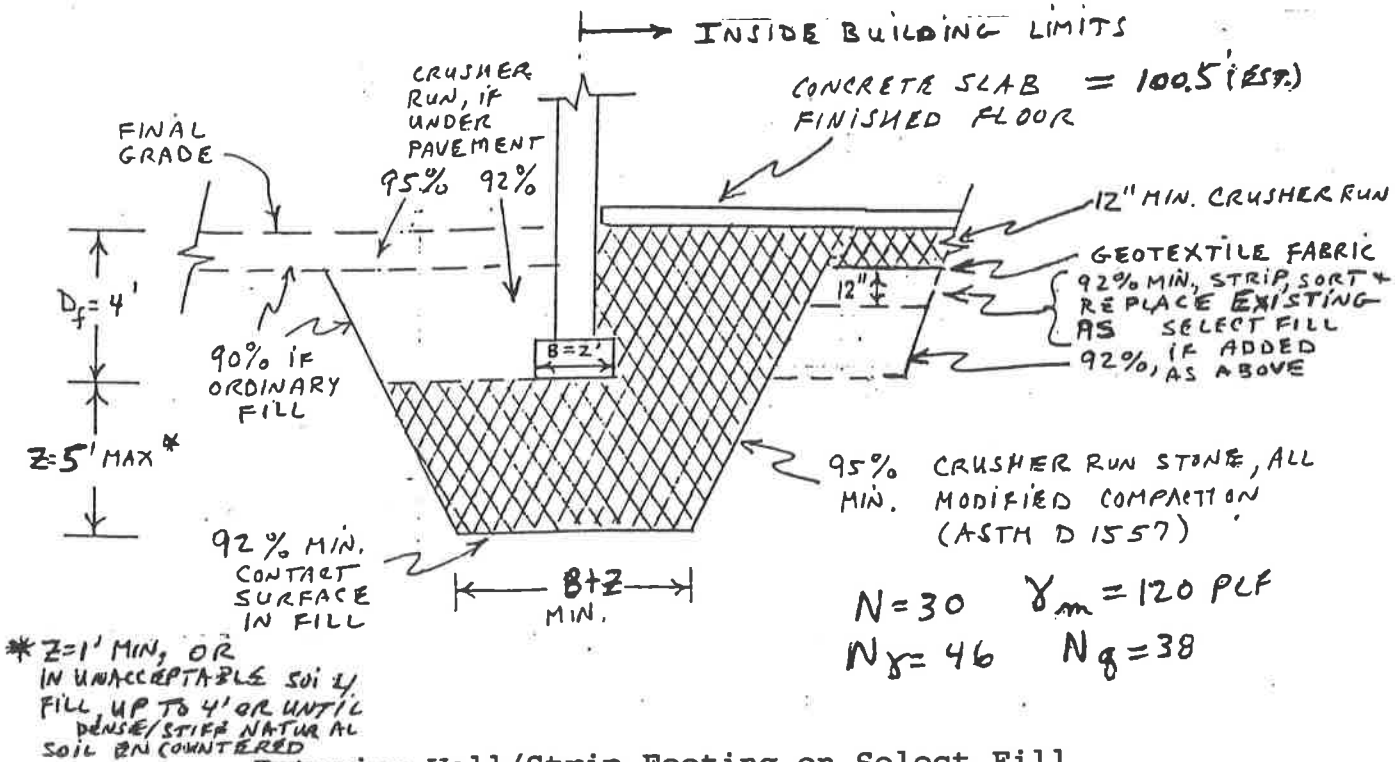


USE $\phi = 0°$ ANALYSIS FOR COHESIVE SOILS.

TYPICAL SCHEMATICS OF RECOMMENDED SHALLOW FOUNDATION SYSTEM



Exterior Wall/Strip Footing on Natural Soil
[Spread/Square Footing is Similar]

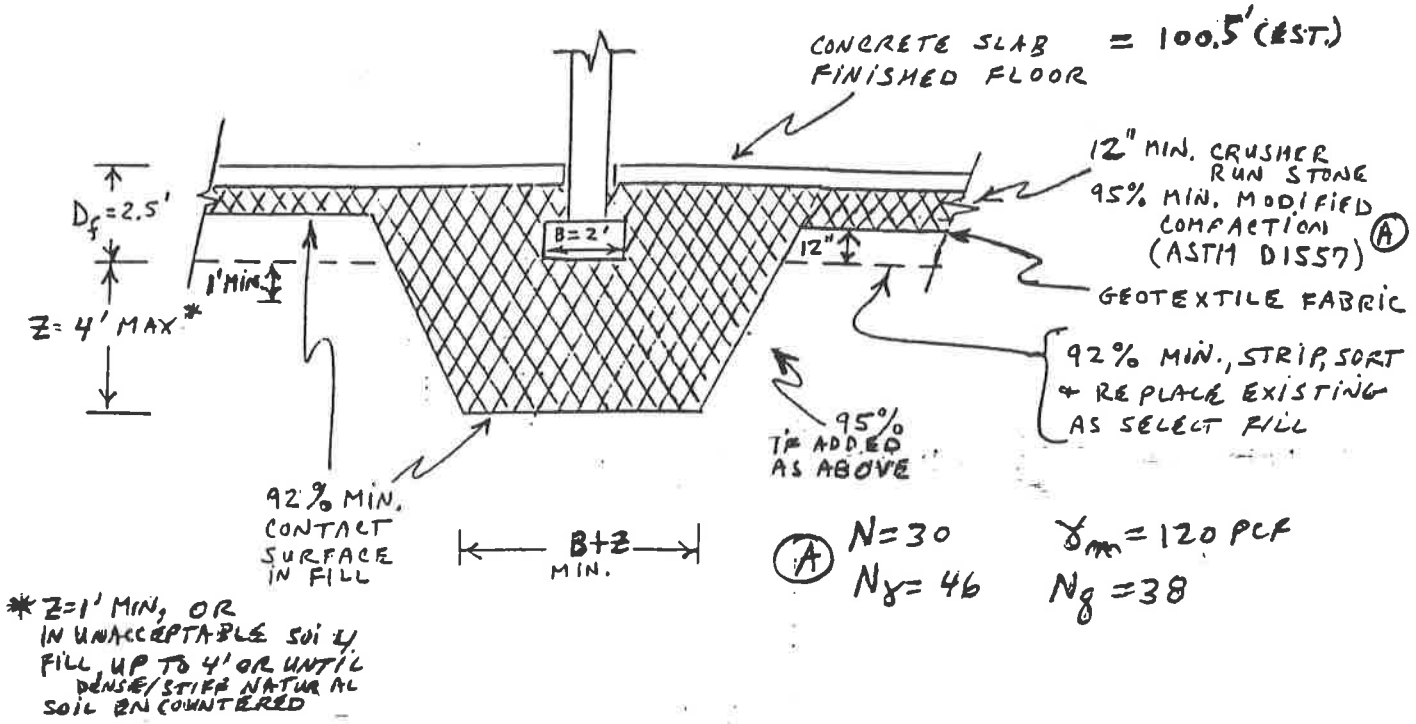


Exterior Wall/Strip Footing on Select Fill

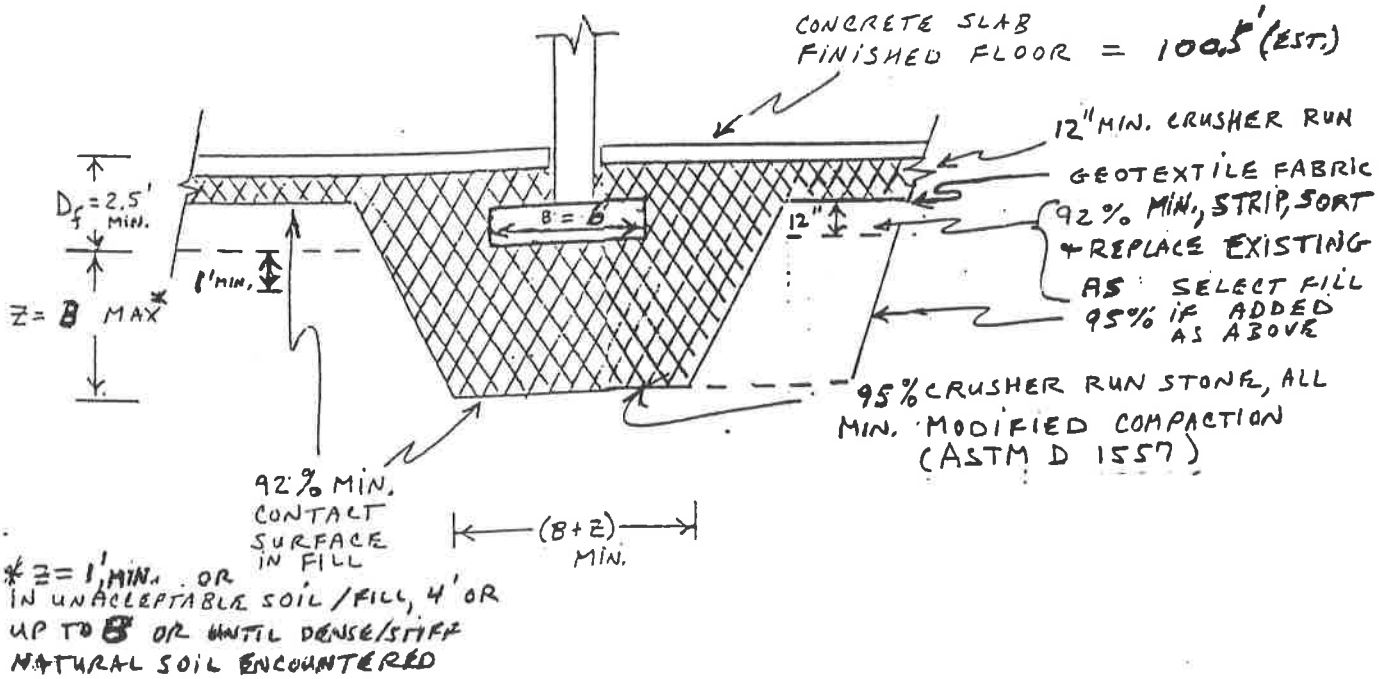
Job No.: 94-316
Ellicott Development Company

Date: Jan. 27, 1995
By: C. M. Panuccio

TYPICAL SCHEMATICS OF RECOMMENDED SHALLOW FOUNDATION SYSTEM



Interior Wall/Strip Footing on Select Fill



Interior Square Footing on Select Fill

NOTES:

a) Bottom of foundation trench excavation is to be inspected by experienced geotechnical personnel and, especially, prior to any placement and compaction of crusher run stone.

b) All areas of the foundation trench bottom which are concluded to be unacceptable must be overexcavated from the bottom of footing elevation or, if recommended, from the bottom of the minimum depth of the undercut for the compacted granular fill layer, upon which the bottom of footing will bear, to:

- the top of the very dense/very stiff natural soil, for less than a four foot depth or the footing width (whichever is greater), and backfilled with compacted granular fill.

c) All foundations shall bear on very dense/very stiff natural soil, if supported by the calculations, or thoroughly compacted fill, with a minimum thickness as determined by the calculations (see Note b also).

d) Water must not be allowed to accumulate or pond in the foundation trench bottom. Adequate drainage is to be provided.

e) In the event that foundation walls, strip or spread footings, and/or concrete slabs-on-grade from any existing or previous unknown on-site structures are encountered during excavation, the following demolition conditions will apply:

- complete removal in and near the proposed building foundation area (except if the foundations and slab-on-grade are to be tied into any existing buildings which are to remain), and
- removal down to three feet below final grade in the parking lot, driveways, and green/grassed areas.
(Note that complete removal is optional.)

f) In the event that tree, shrub, or other vegetative root systems or other organic deposits are encountered during excavation, the removal conditions in e) above will apply.

g) At the locations of the demolished structures in e) above and vegetative/organic deposits in f) above, place and compact the select fill, if needed, to the elevation of the bottom of the pavement subbase stone layer or as required in b) above for the proposed building foundation.

h) The entire site is to be proof rolled and stabilized, as needed, prior to placement of subbase stone layer beneath the floor slab and asphalt paved parking areas.

i) Geotextile filter fabric is recommended beneath the subbase layer and atop the subgrade under the building floor slab and in the asphalt paved areas.

Job No.: 94-316
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Date: Jan. 27, 1995
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BEARING CAPACITY FOR CONTINUOUS WALL FOOTINGS: EXTERIOR

a) Net allowable bearing capacity of N = 8 silt-clay soil fill and B = 2 feet.

$q_{all} = [\ q_u / 2 \times N_c\ ] / F.S.$

$q_{all} = [\ 600\ psf \times 7.2\ ] / 3 = 1{,}440\ psf$

- Note for B = 3 feet, $N_c = 6.7$, $q_{all} = 1{,}340$ psf.
- This layer appears to be a limiting factor for bearing capacity with a $q_{all} = 1{,}250$ psf.

b) Net allowable bearing capacity in N = 30 select granular fill, shallow footing, and B = 2 ft. (P, H & T, page 311).
- Assume 2 x B thick layer for computational purposes.
- Assume 1 ft. min. thick layer/undercut for select fill.

$q_{all_{NP}} = \{(\gamma_m \times N_g/2) + (\gamma_m \times \{N_q - 1\} \times D_f/B)\} \times B / F.S.$

$q_{all_{NP}} = \{[120\ pcf - 62.4\ pcf] \times 46/2 +$

$1/4' \times ([120\ pcf - 0.0\ pcf] \times 4' +$

$[120\ pcf - 0.0\ pcf] \times 0') \times \{38-1\} \times 4'/2')\} \times 2'/3$

$q_{all_{NP}} = \{\ 1{,}325\ pcf + 8{,}880\ pcf\ \} \times 2'/3 = 6{,}803\ psf$

- Note for B = 3 feet, $q_{all_{NP}} = 7{,}272$ psf.

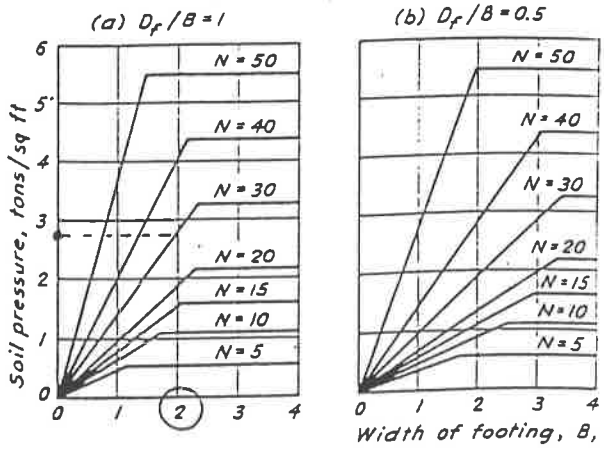
c) Net allowable soil pressure based on 1 inch total settlement in N = 30 select granular fill (P, H & T, page 309).
- Refer to assumptions in b) above.
- Exterior wall footing groundwater correction factor
  $C_w = 0.5 + 0.5\ \{\ D_w / (\ D_f + B\ )\}$
  $C_w = 0.5 + 0.5\ \{\ 2\ ft./(2\ ft. + 2\ ft.)\}$ $\quad C_w = 0.75$

$q_{all_{1"}} = C_w \times [\text{Value from Chart}] \times \frac{2{,}000\ lb}{1\ ton}$

$q_{all_{1"}} = 0.75 \times 2.8\ tsf \times \frac{2{,}000\ lb}{1\ ton}$

$q_{all_{1"}} = 4{,}200\ psf$

- Note for B = 3 feet, $q_{all_{1"}} = 4{,}800$ psf.



Job No.: 94-316
Ellicott Development Company

Date: Jan. 27, 1995
By: C. M. Panuccio

BEARING CAPACITY ON SILT-CLAY FROM CONTINUOUS WALL FOOTINGS ON COMPACTED FILL LAYER: EXTERIOR

a) Conditions & applied load to silt-clay, (P, H & T, page 271).
- Underlies a 1 ± foot thick layer of compacted select granular fill.
- Assume 2/1 (vertical/horizontal) pressure distribution for an applied load (P) of 4,000 lbs/ft. on the footing.
- D_f = 4.0 ft. + Z = 4.0 ft. + 1.0 ft. = 5.0 ft.
- B = 2 ft. + Z = 2 ft. + 1.0 ft. = 3.0 ft.
- D_f/B = 5.0 ft./ 3.0 ft. = 1.67
- Bearing capacity factors: N_c = 6.9

$q_{\text{applied to silt}} = [\ P / B\ ] \times [\ B /(\ B + Z)\ ]$

$q_{\text{applied}} = [\ 4{,}000 \text{ lbs/ft.} / (2')\ ] \times (2') / (2' + 1.0')$
$q_{\text{applied}} = 1{,}333 \text{ psf}$

b) Net allowable bearing capacity in silt-clay, shallow footing (P, H & T, page 311).

$q_{all_{silt}} = [\ q_u \times N_c\ ] / [\ 2 \times F.S.\ ]$

$q_{all_{silt}} = [\ 600 \text{ psf} \times 6.9\ ] / 3 = 1{,}380 \text{ psf}$

- Back calculating for B = 2.0 ft., applied load P = 4,140 lb/ft. or 2,070 psf.
- For B = 2.5 ft., N_c = 6.6 and q_{all} = 1,320 psf. Applied load P = 4,620 lb/ft. or 1,848 psf.
- Differential settlement not likely to exceed 0.75 inch, per P, H & T, page 273, if all medium stiff silt-clay.
- Consolidation/settlement of medium stiff silt-clay and underlying stiff silt and clay layers are not considered to be a concern for foundation loads due to the slightly to moderately over-consolidated state, respectively, of these soils.

BEARING CAPACITY FOR CONTINUOUS WALL FOOTINGS: INTERIOR

a) Net allowable bearing capacity of N = 8 silt-clay soil fill, D_f = 2.5 feet, B = 2 feet, and N_c = 6.7.

$q_{all} = [\ 600 \text{ psf} \times 6.7\ ] / 3 = 1{,}340 \text{ psf}$

b) Under 1 ± foot thick layer of compacted select granular fill.
$q_{all} = [\ 600 \text{ psf} \times 6.5\ ] / 3 = 1{,}300 \text{ psf}$

- Back calculating for B = 2.0 ft., applied load P = 3,900 lb/ft. or 1,950 psf.

Job No.: 94-316
Ellicott Development Company

Date: Jan. 27, 1995
By: C. M. Panuccio

BEARING CAPACITY FOR SQUARE FOOTINGS, B = 6 ft.: INTERIOR

a) Follow the same design considerations as provided for the exterior continuous footings.

b) Net allowable bearing capacity of N = 8 silt-clay fill soils.

$$q_{all} = [\, q_u / 2 \times N_c \,] / F.S.$$

$$q_{all} = [\, 600 \text{ psf} \times 6.8 \,] / 3 = 1{,}360 \text{ psf}$$

- This also appears to be an insufficient bearing capacity and settlement would be an additional design concern for this particular soil. Footings should bear on N = 30 compacted layers of select granular fill that overly the fill; as will be demonstrated below.

c) Net allowable bearing capacity in N = 30 in select granular fill, shallow footing (P, H & T, page 311).
- Assume 2 x B thick layer for computational purposes.
- Assume 1 ft. min. thick layer/undercut for select fill.

$$q_{all_{NP}} = \{(\gamma_m \times N_\gamma/2) + (\gamma_m \times \{N_q - 1\} \times D_f/B)\} \times B / F.S.$$

$$q_{all_{NP}} = \{[120 \text{ pcf} - 62.4 \text{ pcf}] \times 46/2 +$$
$$1/4' \times ([120 \text{ pcf} - 0.0 \text{ pcf}] \times 4.0' +$$
$$[120 \text{ pcf} - 0.0 \text{ pcf}] \times 0') \times \{38-1\} \times 2.5'/6')\} \times 6'/3$$

$$q_{all_{NP}} = \{\, 1{,}325 \text{ pcf} + 1{,}850 \text{ pcf} \,\} \times 6'/3 = 6{,}350 \text{ psf}$$

d) Net allowable soil pressure based on 1 inch total settlement in N = 30 select granular fill for B = 4 ft. + (P, H & T, page 309).
- Refer to assumptions in c) above.
- Note thickness of N = 30 layer is less than B; thus, can allow a greater q_{all} for 1 inch of settlement.
- Interior footing groundwater correction factor $C_w = 0.5 + 0.5\ \{4.0 \text{ ft.}/(2.5 \text{ ft.} + 6 \text{ ft.})\}$ $C_w = 0.74$

$$q_{all_{1"}} = C_w \times [\text{Value from Chart}] \times \frac{2{,}000 \text{ lb}}{1 \text{ ton}}$$

$$q_{all_{1"}} = 0.74 \times 3.2 \text{ tsf} \times \frac{2{,}000 \text{ lb}}{1 \text{ ton}}$$

$$q_{all_{1"}} = 4{,}736 \text{ psf}$$

BEARING CAPACITY ON COMPACTED FILL LAYER FROM SQUARE FOOTINGS, B = 6 ft.: INTERIOR

a) Conditions and applied load to silt-clay fill, (P, H & T, page 271).
- Assume 2/1 (vertical/horizontal) pressure distribution for an applied load (P) of 72,000 pounds on the footing.
- D_f = 2.5 ft. + Z = 2.5 ft. + 1.0 ft. = 3.5 ft.
- B = 6 ft. + Z = 6 ft. + 1.0 ft. = 7.0 ft.
- D_f/B = 3.5 ft. / 7.0 ft. = 0.5
- Bearing capacity factor: N_c = 7.0

$$q_{\text{applied to silt-clay}} = [\ P / B^2\ ] \times [\ B^2 / (B + Z)^2\ ]$$

$$q_{\text{applied}} = [72{,}000 \text{ lbs}/ B^2\ ] \times B^2/(6 \text{ ft.} + 1.0 \text{ ft.})^2$$

$$q_{\text{applied}} = 1{,}469 \text{ psf}$$

b) Net allowable bearing capacity of N = 8 silt-clay fill soils.

$$q_{\text{all}} = [\ q_u / 2 \times N_c\ ] / \text{F.S.}$$

$$q_{\text{all}} = [\ 600 \text{ psf} \times 7.0\ ] / 3 = 1{,}400 \text{ psf}$$

- Back calculating for B = 6.0 ft., applied load P = 68,600 lb/ft. or 1,906 psf.

FOOTING SETTLEMENT

a) Based upon the allowable load per footing width, total and differential settlements are expected to be within acceptable limits and are not likely to exceed 1.0 and 0.75 inches, respectively. Consolidation settlement for the stiff silt-clay is also not considered to be a concern for modest foundation loads, due to the over-consolidated state of this soil.

USE: Q_{allow} = 2,000 psf BEARING ON A ONE FOOT MINIMUM THICK LAYER OF COMPACTED SELECT GRANULAR FILL

APPENDIX C

GENERAL EARTHWORK SPECIFICATIONS

GENERAL EARTHWORK SPECIFICATION

I. MATERIALS

A. Ordinary Fill shall be friable soil containing no stone greater than two-thirds loose lift thickness. The material shall be essentially free of trash, ice, snow, tree stumps, roots, and organic materials.

B. Granular Fill shall be free from ice and snow, roots, sod, rubbish, and other deleterious or organic matter. Granular fill shall conform to the following gradation requirements:

Sieve Size	Percent Finer by Weight Granular Fill
2/3 of the loose lift thickness	100
No. 10	30-95
No. 40	10-70
No. 200	0-15

C. Sand-Gravel shall consist of hard, durable sand and gravel, and shall be free from ice and snow, roots, sods, rubbish, and other deleterious or organic matter. It shall conform to the following gradation requirements:

Sieve Size	Percent Finer by Weight Sand-Gravel
*	100
1/2 inch	50-85
No. 4	40-75
No. 10	---
No. 40	10-35
No. 100	---
No. 200	0-8

D. Crushed Stone shall consist of durable crushed rock or durable crushed gravel stone free from ice and snow, sand clay, loam, or other deleterious material. The crushed stone shall be uniformly blended and conform to the following requirements.

Sieve Size	Percent Passing	
	3/4" Stone	1-1/4" Stone
1-1/2"	---	100%
1-1/4"	---	85-100
1"	100%	---
3/4"	99-100	10-40
5/8"	---	---
1/2"	10-50	0-8
3/8"	0-20	---
#4	0-5	---

II. EXCAVATING OF TOPSOIL AND OTHER UNSUITABLE MATERIAL

A. General: Within the site limits indicated on the drawings, the contractor shall excavate all unsuitable material to firm natural ground in the manner specified below. Unsuitable material is here classified as brown, organic topsoil and underlying soft pockets of organic or severely disturbed silt and sand.

The contractor shall follow a construction procedure which permits visual identification of firm natural ground. In the event that groundwater is encountered, the engineer may require that the size of the open excavation be limited to that which can be handled by open pumping and allow visual inspection of the bottom and backfill in the dry.

Limits of excavation are such that all unsuitable material will be removed to a distance of 5 feet beyond the building lines or within the area defined by a one horizontal to one vertical line sloping down from outside bottom edge or exterior footings to firm natural ground, whichever is greater.

The contractor shall excavate in such a manner as to minimize disturbance of the underlying natural ground. If judged necessary, the contractor will be required to alter his construction procedures to reduce subgrade disturbance. Areas which have been excessively disturbed shall be excavated to firm ground and backfilled with properly compacted granular fill.

B. Disturbed Subgrade: If requested by the engineer, the contractor shall be required to place a 6" to 12" layer of sand and gravel or crushed stone over the natural underlying soil to stabilize areas which may become disturbed due to groundwater seepage pressures and to expedite pumping. Particular areas of concern are beneath foundations.

C. Proofrolling: Prior to placement of the initial layer of fill over the natural ground, proof the exposed natural ground above the groundwater table elevation by making two (2) passes with a fully loaded 10-wheel truck. Any unstable area detected shall be excavated and replaced with compacted granular fill.

III. PLACEMENT AND COMPACTION OF FILL

A. Requirements: Allow the engineer sufficient time to make necessary observations and tests. The degree of compaction shall be based on a maximum dry density as determined by ASTM test D1557. The degree of compaction for fill placed in various areas shall be as follows:

AREAS	Minimum Degree of compaction
1. Below foundation.	95%
2. Pavement and building subbase and base courses.	95%
3. Below building slab base course and above bottom of foundation.	92%
4. Below pavement subbase and base courses.	90%
5. Trench backfill outside of building area.	90%
6. Trench backfill inside of building shall be compacted to the degree stated for the areas above.	---
7. Ordinary fill within five feet of grade.	90%
8. In grass areas below five feet from grade.	85%

Fill used within building area shall meet or exceed the requirements or granular fill state above.

B. **Methods:** The compaction alternatives given below are stated to provide minimum compaction standards only and in no way relieve the contractor of his obligation to achieve the above specified degree of compaction by whatever additional effort is necessary. Place fill in accordance with the criteria given below:

Compaction Method	Maximum Stone Size	Maximum Loose Lift Thickness		Minimum No of Passes	
		Below Structure and Pavements	Less Critical Areas	Below Structures and Pavements	Less Critical Areas
Hand operated vibratory plate or light roller in confined areas	3	4"	4"	4	4
Hand operated vibratory drum rollers weighing at least 1000# in confined areas	4	6"	8"	4	4
Loaded 10-wheel truck or D-8 crawler	6	10"	12"	4	2
Light vibratory drum roller min. wgt. at drum 8000# min. dynamic force 10000#	8	12"	12"	6	2
Medium vibratory drum min. wgt. at drum 10000#, min. dynamic force 2000#	8	18"	18"	6	4

1. Protect fill area by grading to drain and providing a smooth surface which will readily shed water. Grade the surface of the areas in such a manner as to prevent ponding of surface run-of water in areas to receive compacted fill.

2. To the extent that it is practicable, each layer of fill shall be compacted to the specified density the same day it is placed.

3. Fill that is too wet for proper compaction shall be disced, harrowed, or otherwise dried to proper moisture density content for compaction to the required density.

4. Fill that is too dry for proper compaction shall receive water uniformly applied over the surface of the loose layer. Sufficient water shall be added to allow compaction to the required density.

5. Fill shall be placed in horizontal layers. Where the horizontal layers meet a natural rising slope, the layer shall be keyed into the slope by cutting a bench.

IV. DEWATERING

The contractor shall provide adequate pumping and drainage facilities to keep the excavated area sufficiently dry from groundwater and/or surface run-off so as not to adversely affect construction procedures or cause excessive disturbance or underlying natural ground. The drainage of all water resulting from pumping shall be arranged so as not to cause damage to adjacent property.

V. TESTING

A. The owner shall retain a soil engineer to perform on-site observations and testing during this phase of the construction operations. The services of the soil engineer shall include, but not be limited to, the following:

1. Observation during excavation and dewatering of building and controlled fill areas.

2. Observation during backfilling and compacting operations within that area defined as building area or controlled fill area.

3. Laboratory testing and analysis of fill material specified as required.

4. The soil engineer will observe construction and perform water content, gradation, and compaction tests at a frequency and at locations which he shall select. The results of these tests will be submitted to the Owner, copy to the Contractor, on a timely basis so that the Contractor can take such action as is required to remedy indicated deficiencies. During the course of construction, the soil engineer will advise the Owner in writing with copy to the Contractor if at any time in his opinion the work is not in conformity to the plans and specifications.

5. The soil engineer presence does not include supervisions or direction of the actual work by the contractor, his employee or agents. Neither the presence of the soil engineer, nor any observations and testing performed by him shall excuse the contractor from defects discovered in his work.

APPENDIX D

GEOTECHNICAL REFERENCE STANDARDS

GEOTECHNICAL REFERENCE STANDARDS
SUMMARY OF LOGGING TECHNIQUES

Depth (ft.)	Blows per .5 ft.	Sample No.	N	% REC (RQD)	SOIL AND ROCK DESCRIPTION	REMARKS

Depth- The depth column provides the verticle scale of the boring log in feet below ground surface.

Blows per .5 ft. The number of blows obtained from each of the 0.5 ft. intervals of sampler penetration.

NOTE: WR represents the static weight of drill rods. WH represents the static weight of rods and hammer.

Sample No. Sample Identification Number- Disturbed samples are identified with "S" preceding the sample number. Undisturbed samples (shelby tube) samples are identified with "U" preceding the sample number. Rock core samples are identified with "C" preceding the core run.

N N-value- The Standard Penetration Test N-value, as specified by ASTM D1586 is defined as the number of blows required by a 140-pound hammer falling 30 inches each blow to drive a 2 inch outside diameter split spoon sampler 12 inches.

% REC (RQD) % Recovery- The length of sample recovered divided by the total length sampled. The result is numerically expressed as percent.

(RQD)- The "Rock Quality Designation". The total length of pieces>4 inches divided by the total length of core run.

REMARKS

Remarks - Denotes exact depth of recovery and general documentation of drilling efforts.

Notes - Description and classification are based on visual inspection of samples and boring operations.

The stratum lines shown on the boring logs are based upon interpretation and may not represent precise subsurface conditions.

Water level readings have been made in the drill holes at times and under conditions stated on the boring logs. Fluctuations in the water level may occur due to other factors than those present at the time measurements taken.

TERMINOLOGY USED FOR SOIL DESCRIPTION

Density Description of Granular Soil

Number of Blows per ft., N.	Relative Density
0-4	Very loose
4-10	Loose
10-30	Medium
30-50	Dense
Over 50	Very dense

Consistency Description of Cohesive Soil

Number of Blows per ft., N.	Consistency
Below 2	Very soft
2-4	Soft
4-8	Medium
8-15	Stiff
15-30	Very stiff
Over 30	Hard

Grain Size

Boulder - greater than 12 inch diameter
Cobble - passing 12 inch, retained on 3 inch
Gravel - passing 3 inch, retained on No. 4 sieve
Sand - Coarse - passing No. 4 sieve, retained on No. 10 sieve
Medium - passing No. 10 sieve, retained on No. 40 sieve
Fine - passing No. 40 sieve, retained on No. 200 sieve
Silt - 0.074 mm to 0.005 mm
Clay - smaller than 0.005 mm

Description of Percentage or Proportions Used in Soil Sample Classification

Trace	0-10%
Little	10-20%
Some	20-35%
And	35-50%

Abbreviations Used In Soil Sample Classification

f - fine	v - very
m - medium	gr - gray
c - coarse	bn - brown
f/m - fine to medium	yel - yellow
f/c - fine to coarse	sl - slight
tr - trace	

Plasticity

Non-plastic - A 1/8 inch thread cannot be rolled at any water content.
Slight plasticity - The thread can barely be rolled.
Moderate Plasticity - Thread is easy to roll and little time is required to reach plastic limit.
Plastic - Considerable time is required to reach plastic limit. Thread can be re-rolled several times after reaching the plastic limit.

Moisture

Dry - Absence of moisture, dusty, dry to the touch.
Moist - Small quantity of moisture. Soil usually above groundwater level.
Wet - Moisture noticeable to the touch. Soil may be below groundwater level.
Saturated - Visible free water, usually soil is below groundwater level.

TERMINOLOGY USED FOR ROCK DESCRIPTION

Bedding

Parting	Less than 0.02 ft.
Band	0.02 to 0.2 ft.
Thin bed	0.2 to 0.5 ft.
Medium bed	0.5 to 1.0 ft.
Thick bed	1.0 to 2.0 ft.
Massive	Over 2.0 ft.

Hardness

Very Soft or Plastic - Can be indented w/ thumb
Soft - Can be scratched with fingernail
Moderately Hard - Can be scratched easily with knife; cannot be scratched with fingernail
Hard - Difficulty to scratch with knife
Very hard - Cannot be scratched with knife

Crystallinity or Texture

Dense - Crystals are so small they cannot be distinguished with the naked eye.

Very Fine Crystalline - Crystals barely discernible with the naked eye.

Crystalline - Crystals are medium size -up to 1/8 inch diameter.

Very Coarsely Crystalline - Crystals larger than 1/8 inch diameter.

Voids

Pourous - Smaller than a pinhead. Their presence is indicated by the degree of absorbency.
Pitted - Pinhead size to 1/4 inch. If only thin walls separate the individual pits, the core may be described as honeycombed.
Vug - 1/4 inch to the diameter of the core. The upper limit will vary with core size.
Cavity - Larger than the diameter of the core.

SOIL CLASSIFICATION CHART
(Unified Soil Classification System)

MAJOR DIVISIONS			GRAPH SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE-GRAINED SOILS More than 50% of material larger than No. 200 sieve	GRAVELS- More than 50% of coarse fraction larger than No. 4 sieve	Clean Gravels (little or no fines)		GW	Well-graded gravels, gravel-sand mixtures, little or no fines
				GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
		Gravels with appreciable amounts of fines		GM	Silty gravels, gravel-sand-silt mixtures
				GC	Clayey gravels, gravel-sand-clay mixtures
	SANDS- Less than 50% of coarse fraction larger than No. 4 sieve	Clean sands (little or no fines)		SW	Well-graded sands, gravelly sands, little or no fines
				SP	Poorly-graded sands, gravelly sands, little or no fines
		Sand with appreciable amounts of fines		SM	Silty sands, silt-sand mixtures
				SC	Clayey sands, sand-clay mixtures
FINE-GRAINED SOILS Less than 50% of material larger than No. 200 sieve	SILTS AND CLAYS Low plasticity Liquid Limit < 50%			ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				OL	Organic silts and organic silty clays of low plasticity
	SILTS AND CLAYS High plasticity Liquid limit > 50%			MH	Inorganic silts, micaceous or diatomaceous fine sand or silty soils
				CH	Inorganic clays of high plasticity, fat clays
				OH	Organic clays of medium to high plasticity, organic silts
	Highly Organic Soils			Pt	Peat, humus, swamp soils with organic contents
	Miscellaneous Fill			FILL	Miscellaneous fill may belong in any division but is identified as FILL

APPENDIX E

LIMITATIONS

LIMITATIONS

1. This report is based on the design of the proposed pharmacy and retail buildings as submitted to the geotechnical engineer. A geotechnical engineer experienced in foundation construction and earthwork should be engaged to review the final design and specifications in order to determine whether any change in concept may have any effect on the validity of the conclusions presented herein, and whether these conclusions have, in fact, been implemented in the design and specifications.

2. There is the possibility that variations in soil conditions will be encountered during construction. In order to permit correlation between the exploratory soil data and the actual soil conditions encountered during construction and so as to assess conformance with the plans and specifications as originally contemplated, it is recommended that a geotechnical engineer experienced in foundation construction and earthwork monitoring be retained to perform continuous construction review during the site preparation and foundation construction operations.

3. Disclaimers:

   a. In the event that any changes in the nature, design or location of the buildings are planned, the conclusions that are contained in this report shall not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing.

   b. The geotechnical engineering report has been prepared for this project by James S. Barron, PE Consulting Engineers. This report is for assistance in design only and is not a sufficient basis on which to prepare an accurate bid.

   c. This report has been prepared for the exclusive use of Ellicott Development Company of Buffalo, New York for specific application to the development of an approximate 20,140 square foot one-story pharmacy and retail buildings at 338 to 370 Niagara Street and 265 to 283 Seventh Street in Buffalo, New York and in accordance with generally accepted geotechnical engineering practice. No other warranty, expressed or implied, is made.

APPENDIX F

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Buffalo Drilling Company, Inc. Job No.: 94-
10440 Main St., Clarence, N.Y. 14031 Date: February 7, 1

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

An environmental site assessment has been performed and this report has been prepared for the exclusive use of Ellicott Development Company, and/or its designated agents. The findings and recommendations presented in this report are exclusive to the client and the assessed property. Written permission must be obtained from Buffalo Drilling Company, Inc., for use of this report, its findings, and recommendations by other parties, persons, or firms.

REPORT PREPARED FOR:

- Name:	Ellicott Development Company
- Street:	210 Ellicott Square Building
- Municipality, State, Zip Code:	Buffalo, New York 14203-2245
- Client Contact:	Paul Moretta
- Telephone Number:	(716) 854-0060

ASSESSED PROPERTY INFORMATION:

- Address:
  - a) 338-340 Niagara St.
  - b) 350 Niagara Street
  - c) 352 Niagara Street
  - d) 354-360 Niagara St.
  - e) 362-364 Niagara St.
  - f) 370 Niagara Street
  - g) 265 Seventh Street
  - h) 267 Seventh Street
  - i) 269 Seventh Street
  - j) 271 Seventh Street
  - k) 273-275 Seventh St.
  - l) 277-279 Seventh St.
  - m) 283 Seventh Street
- Municipality: City of Buffalo
- County, State, Zip Code: Erie County, New York, 14201
- Tax Account No.:
  - a) 110.36-001-016
  - b) 110.36-001-015
  - c) 110.36-001-014
  - d) 110.36-001-013
  - e) 110.36-001-012
  - f) 110.36-001-011
  - g) 110.36-001-005
  - h) 110.36-001-006
  - i) 110.36-001-007
  - j) 110.36-001-007A
  - k) 110.36-001-008
  - l) 110.36-001-009
  - m) 110.36-001-010
- Parcel size (acres):
  - a) Approx. 0.28
  - b) Approx. 0.08
  - c) Approx. 0.10
  - d) Approx. 0.22
  - e) Approx. 0.28
  - f) Approx. 0.09
  - g) Approx. 0.07
  - h) Approx. 0.07
  - i) Approx. 0.07
  - j) Approx. 0.07
  - k) Approx. 0.12
  - l) Approx. 0.14
  - m) Approx. 0.14
- Site Location Map: Refer to Attachment #1

- Current Owner - Name:
  a) C. Montana/J. LaCorte
  b) Charles Montana
  c) Charles Montana
  d) Charles Montana
  e) Charles Montana
  f) Josephine LaCorte
  g) Charles Montana
  h) Mervin Caples
  i) Josephine LaCorte
  j) Josephine LaCorte
  k) Robert Becerril
  l) Robert Becerril
  m) C. Montana/ J. LaCorte

- Telephone Number: N/A

- Key Site Contact: N/A

- Overview of Improvements:
- Building (sq. ft./stories):
  a) one building; one-story
  b) through f); undeveloped
  g) one building; two-stories
  h) one building; two-stories
  i) one building; two-stories
  j) one building; two-stories
  k) one building; two-stories
  l) one building; two-stories
  m) one building; two-stories

- Date of Construction:
  a) pre-1960
  g) through m) pre-1960

- Current Use - Description:
  a) automotive repair shop
  b) through f) undeveloped
  g) through m) residential

- Past Use - Description:
  a) Battery Warehouse; Speaker's Texaco Service Station; Niagara-Virginia Service Station; Ralph Brenner Service Station Goodyear-Wende Oil Corporation; O'Leary's Auto;
  b) Compressed Air Carpet Rug
  c) Creative Candies; Rosemary Candy; Utility Platers; Niagara Welding Co.
  d) Precision Motors; Madison Taxi Company; Avis Rent-A-Car; Montana Used Cars; restaurant, residential
  e) Colangelo's Auto Parts; Testa Battery & Tire Service; Testa Gas Station; Dental office; Giangreco Shoes; Aurora Products Company (chemists)
  f) through m) Residential

Buffalo Drilling Company, Inc.
10440 Main St., Clarence, N.Y. 14031

Job No.: 94-316
Date: February 7, 1995

ENVIRONMENTAL SITE ASSESSMENT SUMMARY:

ENVIRONMENTAL CONCERN(S): [X] Identified [ ] Not Identified

FURTHER INVESTIGATION(S): [X] Recommended [ ] Not Recommended

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STATEMENT OF COMPLIANCE WITH STANDARDS

Buffalo Drilling Company, Inc. has performed a Phase I Environmental Site Assessment in compliance with the scope and limitations of American Society for Testing and Materials (ASTM) Standard Practice E-1527 (1993) on the assessed properties. Any exceptions to, and/or deletions from this practice are described in this summary. Additional issues that were included, as applicable, in this Environmental Site Assessment that were outside the scope of ASTM Practice E-1527 (1993) are: suspected asbestos containing material, radon, lead based paint, lead in drinking water, wetlands, floodplains, protected streams, archaeological sites, historical sites, soil survey, and structural condition of the buildings.

In addition, a limited subsurface investigation was also undertaken and included the advancement of ten preliminary test borings on the site on November 1 through November 5, 1994. The results of the preliminary subsurface investigation program are included in the Buffalo Drilling Company, Inc., report entitled, "Subsurface Explorations, Geotechnical Engineering and Phase I Environmental Site Assessment Report for a Proposed Rite Aid and Retail Facility, Niagara, Seventh, and Virginia Streets, Buffalo, New York (P.O. No. 7173SM," and dated February 7, 1995. In summary, two to ten feet of random fill material was encountered at all boring locations except B-2. In general, the subsurface conditions consist of naturally deposited clay and silt. Total boring depths ranged from 10 to 27 feet below ground surface. Free standing water was encountered at completion of half of the borings, and varied from 3 to 13.5 feet below ground surface. A photoionization detector screening of the recovered soil samples indicated that organic vapors were not detected (refer to Attachment #3). Also, no staining or odors were present (refer to Section 3.3.4).

Nine former underground gasoline tanks are known to have existed at two different locations on the assessed property (Refer to Section 2.5.1). The photoionization screening conducted on subsurface samples does not indicate detectable levels of organic vapors (refer to Attachment #3). It is, however, recommended that the proposed site development activities include an examination of the excavated soils, in areas where these former on-site tanks are known to have been located, by an experienced environmental professional for the identification of potential environmental concerns that were not revealed in this current investigation.

THE FOLLOWING ENVIRONMENTAL CONCERNS AND RECOMMENDATIONS ARE IDENTIFIED:

1) **Suspect Asbestos Containing Materials (SACM):** The interior of the residences on 265 through 283 Seventh Street were not accessible for inspection. Due to the age of the buildings, it is possible that SACM may exist in the form of pipe lagging, thermal insulation, ceiling tiles, and floor tiles. SACM (refer to Section 3.4.3) that were observed in poor condition included the following materials:

   - vinyl floor tiles, approximately ten percent damaged, located in Spiro's Garage (located at 340 Niagara Street).
   - exterior house siding (located at 265 Seventh Street).
   - asphalt roofing (located on the houses at 265 through 283 Seventh Street, and 340 Niagara Street).

   Recommendations: Since it is presumed that these buildings will be scheduled for demolition, it is recommended that an asbestos survey be performed and SACM be sampled and analyzed for asbestos in accordance with Title 12, Part 56 of the New York State Rules and Regulations (Code Rule 56). No representations are made regarding previous disturbance and/or removal of ACM at the assessed property.

2) **Hydraulic Lift:** A hydraulic lift was observed in Spiro's Garage located at 340 Niagara Street (refer to Section 3.5.1). The installation date of the hydraulic lift is not known, nor were inventory (i.e., usage) and/or repair records available for the hydraulic lift. There is a potential for subsurface leakage of the hydraulic oil reservoir and/or the hydraulic cylinder, and for the presence of polychlorinated biphenyl (PCB) fluids to be present in the hydraulic fluid used in the lift.

   Recommendation: It is recommended that, at the time of the demolition of this building, the hydraulic fluid reservoir and the lift cylinder be inspected for leakage, and that the hydraulic fluids be characterized (i.e., sampled and analyzed) for PCB fluids.

3) **Waste Oil Containers:** A 30-gallon container, filled with used oil cans, was observed inside of Spiro's Garage (refer to Section 3.6.4). Staining and spillage were observed on the concrete floor beneath the container, and near the floor drain located in the repair shop (refer to Section 3.5.2).

   Recommendation: It is recommended that the containers be properly disposed, and that the staining and spillage be cleaned up and disposed in accordance with applicable regulations. It is also recommended that a dye test be performed to ensure that the floor drains are connected to the sanitary sewer system and not to an exterior drain.

4) **Aboveground Storage Tank (AST):** An approximately 275-gallon AST, four 55-gallon drums, and five 5-gallon buckets were noted on the north side of the Spiro's Garage (refer to Section 3.6.1). These containers were filled or partially filled with presumed petroleum products. Staining, spillage and soil discoloration were observed on the ground surface beneath these containers.

   Recommendation: It is recommended that the waste petroleum and containers be properly disposed, and that the staining and spillage be cleaned up and disposed in accordance with applicable regulations.

5) **Potential Underground Storage Tank (UST):** Based on a review of Building Department records, and city directories, there is the potential for underground storage tanks (USTs) to be present at 362 Niagara Street, at the site of the former Testa Service Station since at least the 1920's to 1950's. There are no records at the City of Buffalo Fire Prevention Bureau which would indicate the status of any tanks at this address.

   Recommendations: Due to historic information which indicates that a or several USTs may be present at 362 Niagara Street, it is recommended that a magnetometer or terrain conductivity survey be conducted in order to determine the presence or absence of USTs at this former property location.

While not presently considered as environmental concerns by ASTM Standard E-1527 (1993), the client is being made aware of the following conditions discovered during the performance of this Phase I Environmental Site Assessment:

1) **Oil Furnace:** An oil furnace was observed in Spiro's Garage (refer to Section 3.6.1). No spillage was noted beneath the furnace. Since it is presumed that this building will be scheduled for demolition, it is recommended that the oil furnace and storage tank be properly disposed, and that any staining and spillage be cleaned up and disposed in accordance with applicable regulations.

2) **Solvent Station:** A solvent reclamation station was noted in Spiro's Garage (refer to Section 3.6.3). Listed hazardous materials (i.e., solvents) are typically used for these degreasing operations. In general, procedures to properly remove, stage/store, handle, transport, use, and dispose of hazardous and non-hazardous materials is required in order to minimize the likelihood of an accidental discharge, spill or release incident. All spills should, also, be immediately contained and properly cleaned-up.

3) **Former Piping Areas:** A vent pipe was observed near the exterior southwest corner of Spiro's Garage located at 340 Niagara Street (refer to Section 3.6.1). It is recommended that this pipe be traced to its source in order to determine if it leads to an underground petroleum storage tank.

4) **USEPA FOIL Responses:** As of the date of this report, a response has not been received from the USEPA. If the received FOIL response(s) indicates the existence of environmental concerns for the assessed properties, the pertinent information will be forwarded, as a supplement to this report.

END OF SECTION

1.0 HISTORICAL RECORDS/DATA REVIEW

1.1 Abstract of Title: N/A

The abstracts of title were not provided to assist in determining the prior property ownerships and uses. Investigation of a property's history, and requesting environmental agency information concerning prior owners, are important elements of a Phase I environmental site assessment. The conclusions in this report are subject to any facts which a review of the abstracts of title might show, directly or indirectly.

1.2 Property Tax Files:

- Source: City of Buffalo, Assessor
- Date(s): November 10, 1994

Information reviewed at the City of Buffalo Assessor's office indicates that the assessed properties consist of 13 sublots. No commercial property owners were identified. The property tax map for the assessed properties is presented in Attachment #1.

1.3 Property Survey Map:

- Map Date: October 3, 1994
- Preparer: Ellicott Development
- Job No.: 94070

1.4 USGS Topographic Map: Refer to Attachment #1

- Quadrangle: Buffalo Northeast, Northwest
- Map Date: 1965

1.5 USDA Soil Survey Map: Erie County Soil Survey

- Map Date: 1978
- Sheet Number: 41

Soils for the assessed properties are characterized as Urban land-Collamer soils (UmA). These soils are moderately well drained and were formed in glacial tills. These soils are not listed as characteristic hydric (i.e., wetland) soils.

1.6 Aerial Photographs:

- Source: USDA Soil Conservation Service
- Date(s): 1938, 1942, 1951, 1966, 1978, and 1990

Residential and commercial structures were seen on the assessed and adjacent properties in the photographs reviewed. The existing residences along Seventh Street are seen in all of the photos reviewed. Several different commercial buildings were seen in the currently vacant property at 350-370 Niagara Street.

1.7 Fire Insurance Map(s):
- Source: Sanborn Company Maps
Buffalo and Erie County Historical Society Museum
- Date(s): 1881, 1961, and 1981

Fire insurance (i.e., Sanborn Company maps) were reviewed for the assessed properties. The 1881 map shows the assessed properties as primarily residential with several retail operations (i.e., paint shop, blacksmith, carpenter, carpet cleaning and a flour and feed shop) located at the southeast corner of the assessed properties. The 1961 map shows a filling station at the site of the current Spiro's Garage, and a carpet cleaner, candy manufacturer, and auto repair facility along Niagara Street. Residential buildings have occupied the portion of the assessed properties along Seventh Street since at least 1881. The 1981 map is similar to the 1961 map.

1.8 Local Street Directory:
- Source: Polk Directories
- Date(s): 1929, 1934, 1946, 1951, 1958, 1963, 1969, 1975, 1980, 1985 and 1993.

According to a review of the city directories, the assessed properties generally consisted of residential buildings, and commercial businesses such as a filling stations (340 and 362 Niagara Street), auto repair facilities (340 Niagara Street), rug cleaners (350 Niagara Street), candy manufacturing (352 Niagara Street), and shoe repair (364 Niagara Street). Refer to description of "Past Use" on Page 2 for details.

1.9 Municipal Building Dept.:
- Source: City of Buffalo
- Date(s): November 10, 1994

According to information reviewed at the City of Buffalo Building Department, permits for several underground storage tanks are recorded for 340 Niagara Street, beginning in 1947 and being removed in 1983. Building Department records are incomplete; that is, listing the number of tanks and capacity, but not identifying whether the tanks were installed, removed or replaced. In addition, two underground storage tanks are listed for 354 Niagara Street and three tanks are listed for 360 Niagara Street (refer to Attachment #2). No records were available from the City of Buffalo Fire Prevention Bureau regarding USTs at 362 Niagara Street.

1.10 Zoning/Land Use Maps: U.S. Department of Interior

According to information reviewed at the USDA Soil Conservation Service, the assessed properties are not located within a flood-prone area, nor are any wetland areas located on or adjacent to the assessed properties.

1.11 Archaeological Maps:

- Source: NYS Office of Parks, Recreation and Historic Preservation
- Date(s): March, 1992
- Assessed Properties: Not Listed

The assessed properties may be located near an area of a known site that has been identified on this map. Considering that the assessed properties have undergone continual site improvements, a detailed investigation does not appear to be required to determine the archaeological importance of the assessed properties.

1.12 Historical Landmarks Maps:

- Source: ECDEP
- Date(s): March, 1984
- Assessed Properties: Not Listed

The assessed properties are not listed as historical landmarks.

1.13 Radon:

- Source: NYSDOH
- Date(s): September 15, 1994

According to a New York State Department of Health (NYSDOH) radon survey, the average radon level in the basements of residential homes in the municipality of the assessed properties are below the USEPA action level needed for remediation. A radon screening test would be required for buildings on the assessed properties to confirm the applicability of this level and to be conclusive.

1.14 Wetlands Maps:

- Source: ECDEP
- Date(s): N/A

According to information reviewed at the ECDEP, the assessed properties are not located in NYSDEC or United States Department of Interior (USDOI) designated wetland areas. Also, there are no known soils on the assessed properties which are listed as being hydric or containing potentially hydric inclusions.

1.15 Floodplains Map:

- Source: ECDEP
- Date(s): August 31, 1994

According to information reviewed at the ECDEP, the assessed properties are not located within a 100-year flood zone.

END OF SECTION

2.0 PUBLIC DOMAIN INFORMATION SOURCES

2.1 USEPA FOIL - Letter Date: November 9, 1994

According to the USEPA FOIL responses, dated December 30, 1994 and January 10, 1995 (refer to Attachment #2), the Pesticides and Toxic Substances Branch of the USEPA has no files with regards to the Toxic Substances Control Act (TSCA) or the Emergency Planning and Community Right-to-Know Act (EPCRA) for the assessed properties. Also, there are no files or records with regards to hazardous waste generation and the Resource Conservation and Recovery Act (RCRA) for the assessed properties.

2.2 NYSDEC FOIL - Letter Date: November 9, 1994

According to information received from the NYSDEC Divisions of Solid Waste, Spills Management, Hazardous Substance Regulation, and Hazardous Waste Remediation, dated December 19, 1994, there are no records of currently active solid or hazardous waste facilities, past solid or hazardous disposal, or petroleum/chemical storage or spills at the assessed properties. There are also no records of registered NYSDEC Petroleum Bulk Storage (PBS) facilities for the assessed properties.

2.3 ECDOH FOIL - Letter Date: November 9, 1994

The ECDOH response, dated December 1, 1994, indicates that there are no files for the assessed properties.

2.4 STATE/COUNTY AGENCY: N/R

2.5 CITY OF BUFFALO:

2.5.1 Fire Inspector Name: Fred Larsen

According to information reviewed at the City of Buffalo Fire Prevention Bureau, underground storage tanks (USTs) were formerly located at 340 Niagara Street and at 360 Niagara Street. Five tanks were removed from 340 Niagara Street in 1981. Four tanks were removed from 360 Niagara Street on 1987. The City of Buffalo Fire Prevention Bureau has no record of active tanks for any portion of the assessed properties.

2.5.2 Building Inspector Name: N/A

Refer to Section 1.9.

2.6 SOLID AND INACTIVE HAZARDOUS WASTE SITE (HWS) DATA BASES:

2.6.1 NYSDEC Inactive HWS Registry:

- Date of Record: October, 1994
- Assessed Properties: Not Listed
- One-Mile Radius: None Listed

2.6.2 NPL:

- Date of Record: December 16, 1994
- Assessed Properties: Not Listed
- One-Mile Radius: None Listed

2.6.3 CERCLIS:

- Date of Record: June, 1994
- Assessed Properties: Not Listed
- One-Half Mile Radius: None Listed

2.6.4 NYS Active Facility Register:

- Date of Record: April 11, 1994
- Assessed Properties: Not Listed
- One-Half Mile Radius: None Listed

2.6.5 Erie County Solid Waste Map:

- Date of Record: November, 1993
- Assessed Properties: Not Listed
- One-Half Mile Radius: Listed Below

ID#	Site	Location
559	National Fuel Gas West Genesee St.	0.5 mi. South

The distance and location of the preceding solid waste site suggests no environmental impact upon the assessed properties.

2.7 ACTIVE HAZARDOUS WASTE HANDLER DATA BASES:

2.7.1 USEPA RCRA TSD Facilities:

- Date of Record: December, 1993
- Assessed Properties: Not Listed
- One-Mile Radius: None Listed

2.7.2 USEPA RCRA Generator Facilities:

- Date of Record: February, 1994
- Assessed Properties: Not Listed
- One-Mile Radius: Listed Below

USEPA ID#	Site	Location
NYD986982973	Goodyear 380 Niagara St.	Adjacent to North

As long as the procedures to properly stage/store, handle, and transport hazardous wastes are in-place at this site, then the likelihood of an accidental discharge, spill or release incident is minimized. OSHA procedures and practices are expected to be followed; thus, minimizing the imminent potential environmental impact upon the assessed properties.

2.8 TANK REGISTRATION RECORDS:

2.8.1 NYSDEC PBS:

Refer to Section 2.2.

2.8.2 Local: Refer to Section 1.9.

2.9 SPILL RECORDS:

2.9.1 USEPA ERNS List:
- Date of Record: January 18, 1995
- Assessed Properties: Not Listed

2.9.2 USEPA Spill Incidents:
- Date of Record: May, 1994
- Assessed Properties: Not Listed
- One-Half Mile Radius: Listed Below

Incident #	Site	Location
88-0124	LaSalle Park Boat Ramp	0.5 mi. West

This spill is also listed by the NYSDEC (Spill #8706392) as having been remediated (refer to Section 2.9.3).

2.9.3 NYSDEC Spills/LUST:
- Date of Record: December, 1990
- Assessed Properties: Not Listed
- One-Half Mile Radius: Listed Below

NYSDEC ID#	Site	Location
8709512	Gas Station-Niagara/Mohawk	0.5 mi. Southeast
9001514	Residence - 155 Whitney	0.25 mi. East
9001586	Residence - 155 Whitney	0.25 mi. East
9001656	Residence - 155 Whitney	0.25 mi. East
9002953	Bflo. Fire - Court/7th	0.5 mi. South
9003432	Shoreline Apts.-100 7th St.	0.5 mi. South
9003843	NOCO - 588 Niagara	0.25 mi. Northwest
9007370	Atlantic Co. - 555 Niagara	0.25 mi. Northwest
9008946	Prospect Street Sewers	0.25 mi. East
8706103	577 Niagara Street	0.25 mi. Northwest
8706392	LaSalle Park	0.5 mi. West

The above spills are listed as closed (i.e., cleaned up, remediated, etc.) and, therefore, are not believed to pose or have posed a significant environmental impact upon the assessed properties.

2.9.4 Local Spills: N/A

A local data base for spills is not readily available for review for the City of Buffalo.

2.10 ECDEP ENVIRONMENTAL COMPLAINTS:
- Date of Record: 1975 to 1985
- Assessed Properties: Not Listed
- One-Half Mile Radius: None Listed

END OF SECTION

3.0 SUMMARY OF SITE INSPECTION

Dates of Inspection:	November 10, 1994
Inspector(s):	Andrew J. Kucserik
Ground Cover:	None
Weather Conditions:	Sunny, 50-60°F
Photographs:	Available on request

3.1 CURRENT USES OF PROPERTY: [X] Yes [ ] No Observed Concern

An automotive repair shop is currently operating at the southeast section of the assessed properties. The western section of the assessed properties is occupied by several residential structures, which were not accessible for inspection during the site visit. The environmental concerns associated with the automotive repair shop (i.e., Spiro's Garage) are presented in Sections 3.3.6, 3.4.3, 3.5.1, 3.5.2, 3.6.1, 3.6.3, and 3.6.4. The environmental concerns associated with the residences is based on a limited inspection of the building exteriors and is presented in Sections 3.4.3 and 3.4.4.

3.2 PAST USES OF PROPERTY: [ ] Yes [X] No Observed Concern

Based on a review of the city directories, several automotive businesses have been located at 340 Niagara Street (currently Spiro's Garage), at 354-360 Niagara Street (currently a vacant lot), and at 362 Niagara Street (formerly Testa's Service Station). A rug cleaning business was formerly located at 350 Niagara Street (currently a vacant lot).

Evidence was not observed during the site visit or the limited subsurface investigation (which included PID scanning and visual/olfactory sensing of the recovered soil samples) that would indicate that the operations of these businesses have impacted the assessed properties (refer to Sections 1.7, 1.8, 3.3.4, and Attachment #3).

3.3 EXTERIOR CONDITIONS:

3.3.1 Topography: [ ] Yes [X] No Observed Concern

3.3.2 Roads, Streets, Parking: [ ] Yes [X] No Observed Concern

3.3.3 Solid Waste Containers: [ ] Yes [X] No Observed Concern

No solid waste dumpsters were observed during the site visit.

3.3.4 Fill: [ ] Yes [X] No Observed Concern

A limited subsurface investigation was undertaken by BDC and included the advancement of ten preliminary test borings on the site. The results of the preliminary subsurface investigation program are included in Buffalo Drilling Company, Inc., report

entitled, "Subsurface Explorations, Geotechnical Engineering and Phase I Environmental Site Assessment Report for a Proposed Rite Aid and Retail Facility, Niagara, Seventh, and Virginia Streets, Buffalo, New York (P.O. No. 7173SM," and dated February 7, 1995. In summary, two to ten feet of random fill material was encountered at all boring locations, except B-2. In general, the subsurface conditions consist of naturally deposited clay and silt. Total boring depths ranged from 10 to 27 feet below ground surface. Free standing water was encountered at completion of half of the borings, and varied from 3 to 13.5 feet below ground surface. A photoionization detector screening of the recovered soil samples indicated that no detectable levels of organic vapors were encountered (refer to Table 1 in Attachment #3). Also, no staining or odors were sensed.

3.3.5 Debris/Dumping/Mounds: [ ] Yes [X] No Observed Concern

While not an environmental concern, the majority of the vacant lots adjacent to Spiro's Garage to the north (refer to Attachment #1, Figure #3, Lot "B" and "C"), was covered with building bricks. The general ground surface of lots "D" and "E" consisted of slag, gravel, and former concrete driveways.

3.3.6 Spillage/Pools: [X] Yes [ ] No Observed Concern

Petroleum spillage was observed on the ground surface near the southwest building corner of Spiro's Garage (i.e., 340 Niagara Street). An above-ground storage tank, four 55-gallon drums and several 5-gallon containers are also located in this area. It is recommended that the containers and contents be properly disposed, and that the staining and spillage be cleaned up and disposed in accordance with applicable regulations.

3.3.7 Stained Soil/Pavement: [X] Yes [ ] No Observed Concern

Refer to Section 3.3.6.

3.3.8 Stressed Vegetation: [ ] Yes [X] No Observed Concern

A lack of vegetation was observed on the ground surface of lots "B" and "C" due to the brick fill (refer to Section 3.3.5).

3.3.9 Pits/Ponds/Lagoons: [ ] Yes [X] No Observed Concern

There are no surface water bodies on the assessed properties. Pits, ponds, and lagoons were not observed on the adjoining properties.

3.3.10 Septic Systems: [ ] Yes [X] No Observed Concern

3.3.11 Wells: [ ] Yes [X] No Observed Concern

Potable, domestic, irrigation, dry, injection, monitoring, and/or abandoned wells for water were not observed.

3.4 BUILDING(S) CONDITION:

3.4.1 Number: Eight (8)
Description: Spiro's Garage (automotive repair shop); seven residential buildings
Stories: one- and two-stories
Approximate Age: More than 25 years
Ancillary Structures: N/A

3.4.2 Structural: [ ] Yes [X] No Observed Concern

3.4.3 Suspected Asbestos: [X] Yes [ ] No Observed Concern

Suspected asbestos containing materials (SACM) that were observed in poor condition included the following materials:

- vinyl floor tiles (located at 340 Niagara Street).
- exterior house siding (located at 265 Seventh Street).
- asphalt roofing (located on the houses at 265 through 283 Seventh Street, and 340 Niagara Street).

The interior of the residences on Seventh Street were not accessible for inspection. Due to the age of the buildings, it is possible that additional SACM may exist in the form of pipe lagging, thermal insulation, ceiling tiles, and floor tiles.

Since it is presumed that these buildings will be scheduled for demolition, it is recommended that an asbestos survey be performed and SACM be sampled and analyzed for asbestos in accordance with Title 12, Part 56 of the New York State Rules and Regulations (Industrial Code Rule 56).

3.4.4 Lead-Based Paint: [ ] Yes [X] No Observed Concern

Due to the presumed ages of the structures, these buildings are likely to contain some quantities of lead paint. Since the structures are scheduled for demolition, this does not present an environmental concern.

3.4.5 Lead in Drinking Water: [ ] Yes [X] No Observed Concern

3.4.6 Radon Accumulation Spaces: [ ] Yes [X] No Observed Concern

The residences on Seventh Avenue are presumed to have basements. However, since these structures are scheduled for demolition, radon gas does not present an environmental concern for usage of these structures (refer to Section 1.13).

3.5 UTILITIES:

3.5.1 Transformers/PCB's: [X] Yes [ ] No Observed Concern

A hydraulic oil lift was observed in Spiro's Garage. The installation date of the hydraulic lift is not known. Thus, there is the potential for polychlorinated biphenyl (PCB) fluids to be present in the hydraulic fluid used in the lift. It is recommended that, at the time of the demolition of this building, the hydraulic fluid reservoir and the lift cylinder be inspected for leakage, and that the hydraulic fluids be characterized (i.e., sampled and analyzed) for PCB fluids.

A utility pole, located to the northwest of Spiro's Garage contains four pole-mounted transformers. A utility pole, located at the intersection of the property lines of lots "D", "J", and "K", contains one pole-mounted transformer. Staining, spillage, discoloration, and markings/labels were not observed on the transformer units or on the ground surface beneath the units.

3.5.2 Floor Drains/Sump Pits: [X] Yes [ ] No Observed Concern

A floor drain was noted at Spiro's Garage (340 Niagara Street). Staining, spillage, and discoloration was observed in the floor drain and on the ground surface in the vicinity of this drain during the site inspection (refer to Section 3.6.4). The floor drain is presumably connected to the sanitary sewer system, but this would require verification, such as with dye testing

3.5.3 Services: [ ] Yes [X] No Observed Concern

a. Potable Water:	City of Buffalo
b. Sanitary Sewer &	City of Buffalo
Date Installed:	75+ years ago
c. Storm Sewer:	City of Buffalo
d. Building Cooling	No (340 Niagara Street)
- Type of Unit(s):	N/A
- Fueled by:	N/A
e. Building Heating	Yes
- Type of Unit(s):	N/A
- Fueled by:	Oil (340 Niagara Street)

3.5.4 Wastewater Discharges: [ ] Yes [X] No Observed Concern

3.5.5 Air Emissions: [ ] Yes [X] No Observed Concern

3.6 OPERATIONS/EQUIPMENT:

3.6.1 Storage Tanks: [X] Yes [ ] No Observed Concern

One aboveground storage tank of approximately 275-gallon capacity was observed on the north side of the building at 340 Niagara Street. In addition, a heating oil furnace is in use at this building. Since it is presumed that this building will be scheduled for demolition, it is recommended that this tank

be properly closed/disposed, and that any staining and spillage be cleaned up and disposed in accordance with applicable regulations. In addition, a vent pipe was observed near the southwest building corner. It is recommended that this pipe be traced to determine if it leads to an unidentified underground petroleum storage tank.

3.6.2 Materials Storage/Drums: [ ] Yes [X] No Observed Concern

3.6.3 Materials Use: [ ] Yes [X] No Observed Concern

A solvent washer station was observed in Spiro's Garage (340 Niagara Street). Listed hazardous materials (i.e. solvents) are typically used for these degreasing operations. In general, procedures to properly remove, stage/store, handle, transport, use, and dispose of hazardous and non-hazardous materials is required in order to minimize the likelihood of an accidental discharge, spill or release incident. All spills should, also, be immediately contained and properly cleaned-up.

3.6.4 Spillage/Staining/Pools: [X] Yes [ ] No Observed Concern

Staining, spillage and discoloration was observed near a 30-gallon container filled with oil cans, located at Spiro's Garage. A floor drain is located in the vicinity of this container (refer to Section 3.5.2). It is recommended that these containers be properly disposed, and that any staining and spillage be cleaned up and disposed in accordance with applicable regulations.

3.6.5 Facility Equipment: [X] Yes [ ] No Observed Concern

A hydraulic floor lift was observed at Spiro's Garage. As noted in Section 3.5.1, additional investigation may be required during demolition of this building to determine if spillage and/or leakage of hydraulic fluid(s) has occurred beneath the concrete floor slab in the repair shop.

3.7 ADJOINING PROPERTIES: [ ] Yes [X] No Observed Concern

North:
- Name: Goodyear Tire Store
- Address: 380 Niagara Street
- Current Use: Auto Tire Sales
- Past Use: The Birge Co. (wallpaper company)

East:
- Name: Del's Mainline Collision
- Address: 365 Niagara Street
- Current Use: Auto Body Repair
- Past Use: retail

South:
- Name: Vacant Lot (across Virginia St.)
- Address: Niagara Street
- Current Use: Undeveloped
- Past Use: Residential

Southwest:
- Name: Rocco's Photo Graphics
- Address: 148 Virginia
- Current Use: Commercial Photography
- Past Use: Buffalo Register (foundry facility)

West:
- Name: Residential
- Address: Seventh Street
- Current Use: Residential
- Past Use: Residential

3.8 SURROUNDING PROPERTIES: [ ] Yes [X] No Observed Concern

END OF SECTION

4.0 INTERVIEWS

4.1 Name: N/A
Title: N/A
Relationship to Property: [ ] Owner [ ] User [ ] Occupant
Date of Interview:

ENVIRONMENTAL CONCERN(S): [ ] Identified [ ] Not Identified

Due to the on-going property transfer negotiations, the large number of lots, and several property owners associated with the assessed properties, individual property owners were not contacted.

END OF SECTION

CERTIFICATION and SIGNATURES of ENVIRONMENTAL PROFESSIONALS

This Phase I Environmental Site Assessment Report is certified to be prepared in accordance with sound environmental practices and in conformance with the scope and limitations of ASTM Practice E 1527.

Report Preparer: Mary B. Facklam

Mary B. Facklam
Geologist

Report Preparer: Andrew J. Kucserik

Andrew J. Kucserik, C.P.G.
Senior Geologist

Report Reviewer: Carmen M. Panuccio

Carmen M. Panuccio
Geotechnical Engineer

Report Reviewer: James S. Barron

James S. Barron, P.E.
President

END OF SECTION

ACRONYMS/ABBREVIATIONS

AST	-	Aboveground Storage Tank
ASTM	-	American Society for Testing and Materials
BDC	-	Buffalo Drilling Company, Inc.
CERCLA	-	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	-	Comprehensive Environmental Response, Compensation and Liability Information System
EPA	-	United States Environmental Protection Agency
EPCRA	-	Emergency Planning and Community Right to Know Act
ECDEP	-	Erie County Department of Environment and Planning
ECDOH	-	Erie County Department of Health
ECSD	-	Erie County Sewer District
ECWA	-	Erie County Water Authority
ERNS	-	Emergency Response Notification System
FOIA	-	Freedom of Information Act
FOIL	-	Freedom of Information Law
LQG	-	Large Quantity Generator
LUST	-	Leaking Underground Storage Tank
MSDS	-	Material Safety Data Sheets
N/A	-	Not Applicable, Not Available
N/R	-	Not Reviewed/Researched
NPDES	-	National Pollution Discharge Elimination System
NPL	-	National Priorities List
NYSDEC	-	New York State Department of Environmental Conservation
NYSDOH	-	New York State Department of Health
OSHA	-	Occupational Safety and Health Administration
PBS	-	Petroleum Bulk Storage
PCB's	-	Polychlorinated Biphenyls
RCRA	-	Resource Conservation and Recovery Act
SACM	-	Suspected Asbestos Containing Material
SARA	-	Superfund Amendments and Reauthorization Act of 1986
SPDES	-	State Pollution Discharge Elimination System
SQG	-	Small Quantity Generator
TSDF	-	Treatment, Storage, and Disposal Facility
USDA	-	United States Department of Agriculture
USDOI	-	United States Department of Interior
USEPA	-	United States Environmental Protection Agency
USGS	-	United States Geologic Survey
UST	-	Underground Storage Tank

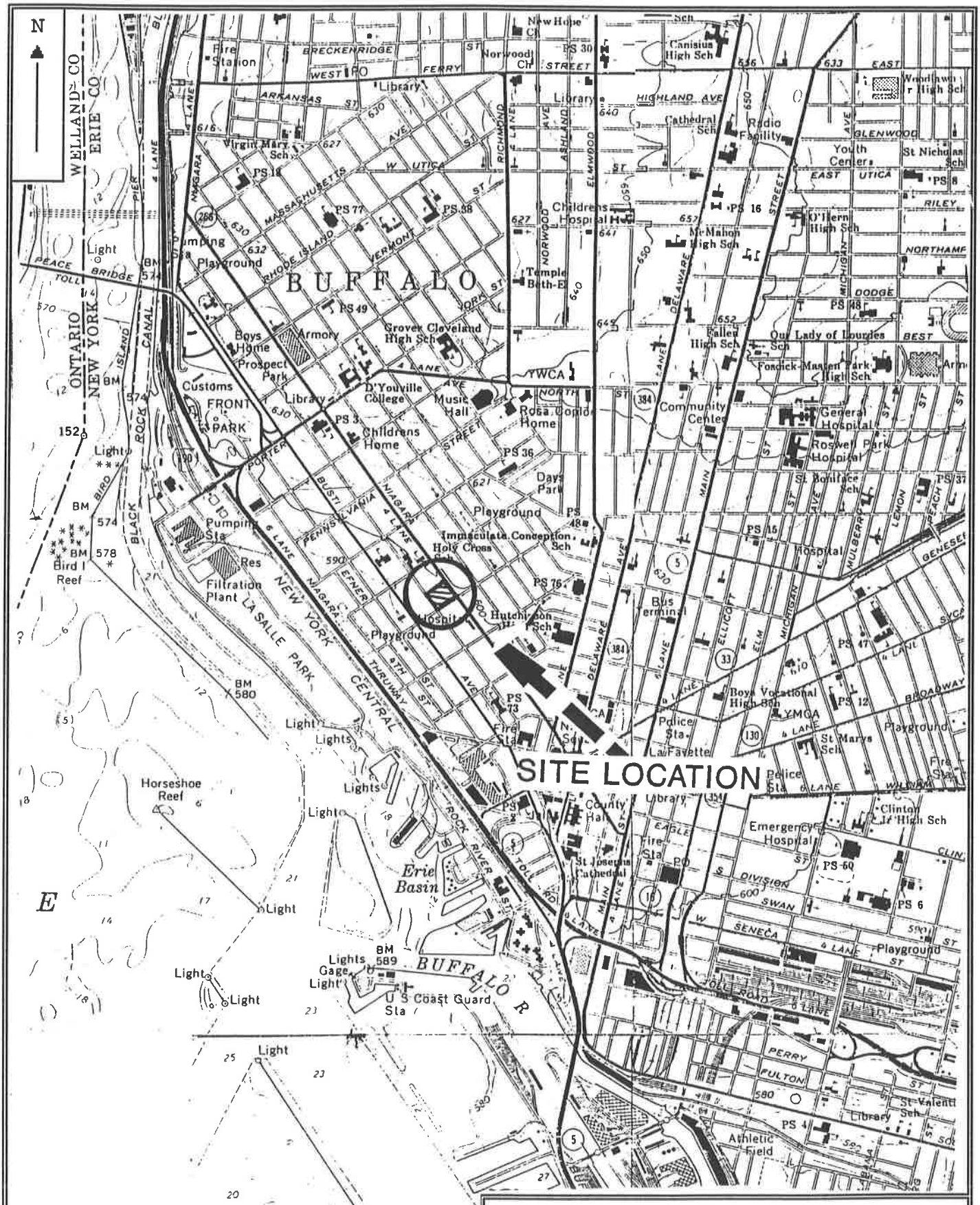
END OF SECTION

ATTACHMENT #1

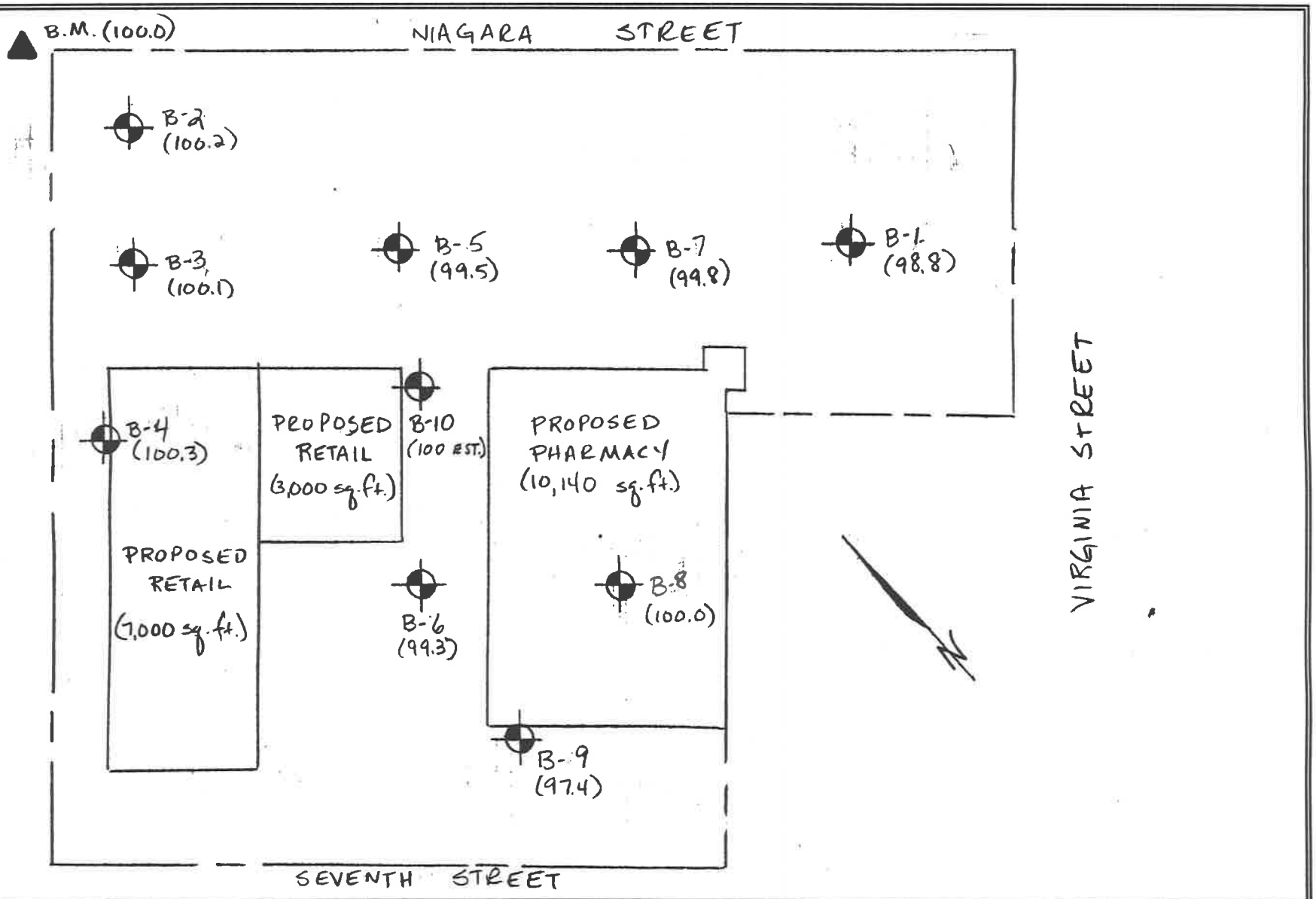
MAPS, FIGURES, AND OWNERSHIP DOCUMENTATION

ID No.	Description
Figure 1	USGS Site Location Map
Figure 2	Boring Location Plan
Figure 3	Property Plan

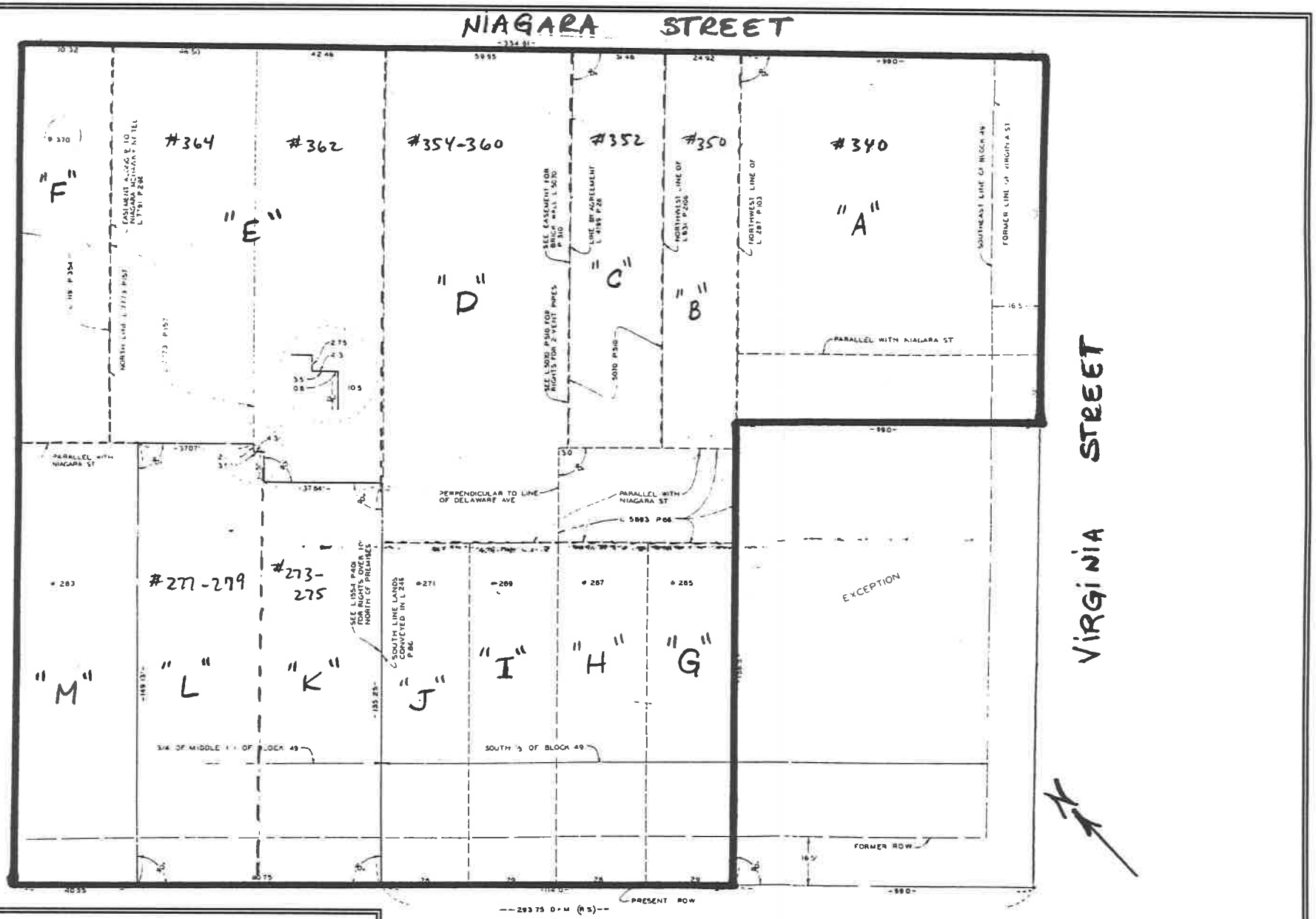
END OF ATTACHMENT #1



BUFFALO DRILLING COMPANY, INC. 10440 Main Street Clarence, New York		SITE LOCATION MAP Niagara Street at Virginia, Bflo,NY [Buffalo NW,NE, NY Quadrangle Map]	
DATE: 11/9/94	JOB NO: 94-316	SCALE: 1" = 2000'	FIG NO: 1



BUFFALO DRILLING COMPANY, INC.	LEGEND	BORING LOCATION PLAN		
Ellicott Development Proposed Pharmacy & Retail Facilities Niagara/Virginia/Seventh Streets Buffalo, New York	= Test Boring Location (99.1) = Relative Ground Surface Elevation (ft.) ▲ = Benchmark (conc. base of FH)	DATE: 11/9/94	JOB NO: 94-316	FIGURE 2
		SCALE: 1" = 50'		



BUFFALO DRILLING COMPANY, INC.

Proposed Pharmacy & Retail Facilities
Niagara/Virgina/Seventh Streets
Buffalo, New York

PROPERTY PLAN		
DATE: 11/9/94	JOB NO: 94-316	FIGURE 3

ATTACHMENT #2

REGULATORY AGENCY DOCUMENTATION

Date	Description
November 9, 1994	USEPA FOIL Request
November 9, 1994	NYSDEC FOIL Request
November 9, 1994	ECDOH FOIL Request
November 15, 1994	NYSDEC FOIL Acknowledgment
December 19, 1994	NYSDEC FOIL Response
December 20, 1994	USEPA FOIL Request Acknowledgment
December 30, 1994	USEPA FOIL Response
January 10, 1995	USEPA FOIL Response
1958-1987	City of Buffalo Fire Prevention Bureau Underground Storage Tank Files for 340, 354, and 360 Niagara Street

---

END OF ATTACHMENT #2

BUFFALO DRILLING COMPANY
INC.
10440 MAIN STREET
CLARENCE, NEW YORK
14031
(716) 759-7821
FAX (716) 759-7823

November 9, 1994 Job No: 94-316

Environmental Protection Agency
Office of External Programs
26 Federal Plaza
New York, New York 12078

Dear Sirs:

FREEDOM OF INFORMATION REQUEST

The intent of this letter is to request any record of environmental problems (i.e. hazardous waste, spills or groundwater pollution) at a parcel of land located at:

304-370 Niagara Street
265-283 Seventh Street
156-160 Virginia Street
Buffalo, New York 14201
(County of Erie)

The property is currently occupied by Spiros Garage and several private residences. Refer to the attached USGS map for the site location. In addition, if you could provide any information for adjacent sites your efforts would be greatly appreciated.

For your information, the adjacent zip codes are: 14202, 14209, 14213, 14222.

Would you please send findings to my attention at:

Buffalo Drilling Company, Inc.
10440 Main Street
Clarence, New York 14031

Thank you for your cooperation.

Very truly yours,

Mary Facklam
Geologist

encl.

BUFFALO DRILLING COMPANY
INC.
10440 MAIN STREET
CLARENCE, NEW YORK
14031
(716) 759-7821
FAX (716) 759-7823

November 9, 1994 Job No: 94-316

New York State Department of
Environmental Conservation
Region 9 Headquarters
270 Michigan Avenue
Buffalo, New York 14203-2999

ATTN: Mr. Charles Kollatz

FREEDOM OF INFORMATION REQUEST

The intent of this letter is to request any record of environmental problems (i.e. hazardous waste, spills or groundwater pollution) at a parcel of land located at:

340-370 Niagara Street
265-283 Seventh Street
156-160 Virginia Street
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The property is currently occupied by Spiros Garage and several private residences. Refer to the attached map for the site location. In addition, if you could provide any information for adjacent sites your efforts would be greatly appreciated.

Would you please send findings to my attention at:

Buffalo Drilling Company, Inc.
10440 Main Street
Clarence, New York 14031

Thank you for your cooperation.

Very truly yours,

Mary Facklam
Geologist

encl.

94-316

THERE WILL BE A $.25 PER COPY CHARGE [illegible]

ERIE COUNTY HEALTH DEPARTMENT
Name of Agency

Room 931

95 FRANKLIN STREET, BUFFALO, NY 14202
Address

I hereby apply to (1) inspect ( ) OR (12) obtain a copy of (✓) the following record:

Address
~~Date(s)~~ of Records Requested:

(All one property) 340-370 NIAGARA St.
265-253 Seventh St
156-160 VIRGINIA St
Buffalo, NY 14201

Type of Record Requested:
(Location of Property, if applicable)

UST, hazardous/solid waste disposal, environmental complaints, groundwater/soil contamination, spills for the site and adjacent properties.

Andrew J. Kucsenik
Signature

BUFFALO DRILLING Co. INC.
Representing

11/9/94
Date

10440 Main St., Clarence, N.Y. 14031
Mailing Address

(716) 759-7821
Phone Number

FOR AGENCY USE ONLY

Approved ( )

Date Notified: _____

Cost: _____

Denied (for the reason(

( ) Confidential Discl
( ) Part of Investigat
( ) Unwarranted Invasi
( ) Record of Which Cannot Be Found
( ) Record is not ma
( ) Exempted by Stat of Information A
(X) Other (specify)

① - Site
No reports found in our files for this request.

② "Adjacent properties"
Record requested is not maintained by this agency.

John T. Kociela
Signature

12-1-94
Date

THIS APPLICATION TO:

John T. Kociela
Records Access Officer

Name

Business Address

Business Telephone

WHO MUST FULLY EXPLAIN HIS REASONS FOR SUCH DENIAL IN WRITING SEVEN DAYS OF RECEIPT OF AN APPEAL.

I HEREBY APPEAL: _____ _____
Signature Date

_____
Address

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York 14203-2999
(716) 851-7201

Langdon Marsh
Commissioner

November 15, 1994

Ms. Mary Facklam
Buffalo Drilling Company, Inc.
10440 Main Street
Clarence, NY 14031

Dear Ms. Facklam:

This letter is to acknowledge receipt of your request for information relative to:

340-370 Niagara Street
265-283 Seventh Street
156-160 Virginia Street
Buffalo

Because of the multi-divisional nature of your request, it has been forwarded to the individual divisions involved.

Individual program staff will contact you relative to your request.

Very truly yours,

Charles W. Kollatz
Regional Citizen Participation
Specialist

CWK:mkb

4/91

SHAWLER/pbs

11/23/94 phone call Robert Smythe, Div. of Water → no files for this property.

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York 14203-2999
(716) 851-7220

Langdon Marsh
Acting Commissioner

December 19, 1994

Ms. Mary Facklam
Buffalo Drilling Company, Inc.
10440 Main Street
Clarence, New York 14031

Dear Ms. Paquin:

Foil Request
340-370 Niagara St.
265-283 7th St.
156-160 Virginia St.

In Response to your FOIL request relative to the subject property, a search of this Region's Solid Waste, Spills Management, Hazardous Substance Regulation and Hazardous Waste Remediation program files has been completed.

We have found no records of currently active solid or hazardous waste facilities associated with the subject property. In addition, we have found no records of past solid or hazardous waste disposal a this site, nor have we found records of spills or petroleum/chemical storage at this site.

Please be advised that our files only reflect information on those sites where investigation by this Department, the USEPA or local county health/environmental agencies or information from the public has revealed that waste disposal has or may have occurred. The Department makes no guarantee as to the completeness of our files. Therefore, our file search should in no way be considered as a substitute for a site inspection or environmental audit by qualified personnel. If such an inspection/audit were to reveal that waste disposal has occurred, it should be promptly reported to this office.

You may wish to contact the local county health/environmental department to determine if they have any information on the subject site.

Sincerely,
Patricia A. Williams
Clerk II

United States Environmental Protection Agency
Request Acknowledgement

12/20/94

Mary Facklam
Buffalo Drilling Company
10440 Main St
Clarence,NY 14031

Date of Your Request: 11/09/94	Date Your Request was Received: 11/28/94

SUBJECT:	304 NIAGARA ST

The Agency has ten (10) working days to respond to your request. You can expect a reply shortly after expiration of the ten-working day period. Further correspondence on this subject should cite the following Request Identification Number:

02-RIN-03070-94

Freedom of Information Officer (2EPD)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, NEW YORK 10278-0012

DEC 30 1994

Ms. Mary B. Facklam
Geologist
Buffalo Drilling Company
10440 Main Street
Clarence, New York 14031

Re: Freedom of Information Request No. **(2)RIN-03070-94**
Dated: November 9, 18 & 21, 1994

Dear Ms. Facklam:

Your requests for information have been referred to this branch for response. We have searched the Resource Conservation and Recovery Act (RCRA) files and/or computer database as appropriate to respond to your requests. You may also receive additional information from other program areas within this Regional Office.

Enclosed are copies of the available RCRA information concerning

the Notifiers List for NY 14043, NY 14201, NY 14850 and their vicinities. However, we were unable to find any RCRA information for the other facilities listed in your Job Nos: 94-316 and 94-343.

If you consider this response to be a partial denial, you may appeal it by addressing your written appeal to the Freedom of Information Officer (1104), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, D.C. 20460.

Please include the above referenced request number on any inquiries regarding this response.

Sincerely yours,

Stanley Siegel, Chief
Hazardous & Solid Waste Programs Branch

Enclosures

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

JAN 10 1995

Mary B. Facklam, Geologist
Buffalo Drilling Company, Inc.
10440 Main Street
Clarence, NY 14031

Re: Freedom of Information Act Request 2-RIN-3070-94
304-370 Niagara Street

Your Jobs Number 94-316

Dear Ms. Facklam:

This is in response to your November 9, 18, and 21, 1994, Freedom of Information Act requests for information on the above referenced properties. The Pesticides and Toxic Substances Branch has reviewed our files and we have no Toxic Substances Control Act (TSCA) or Emergency Planning and Community Right-to-Know Act (EPCRA) Section 313 related information (inspection reports or documents) on the above referenced properties.

Please note that the presence or absence of any Environmental Protection Agency (EPA) information on these properties provides no assurance that the properties are free from contamination by toxic substances or otherwise free from any other environmental problems.

If you consider this response to be a denial, you may appeal it by addressing your written appeal to the Freedom of Information Officer (1105), United States Environmental Protection Agency, 401 M Street, S.W., Washington, D.C. 20460.

If we can be of further assistance, please feel free to contact Linda Hall of my staff at (908) 321-6742.

Sincerely,

Ernest A Regna

Ernest A. Regna, Chief
Pesticides and Toxic Substances Branch

TANKS--Removed, Watered, or Slushed

Location 340 Niagara Street

Removed x Make sure vent is removed.

Slushed ___ Make sure vent is removed at grade or below.

Watered ___ If it is expected to be watered for 3 years, be sure pump is removed and suction and vent capped.

Number of Tanks 5 Sizes 3-3,000 gal. 1-8,000 gal. 1-4,000 gal.

Owner of Premises Texaco

Present or Former Operator Same

Brand Name of Gasoline Texaco

Owner of Tank Same

Address

Contractor Fleishmann Co.

Address 74 Skillen Street

Draw sketch of approximate location on property on reverse side. Also, any other pertinent information.

INSTRUCTIONS BELOW THIS LINE FOR OFFICE USE ONLY.

Witnessed by Lt. Russell G. Knox

If station had flammable liquid license, notify the Battalion Chief to have company remove from files. If station is still in business, make note on Form 29 of which tank or tanks have been removed, slushed, or watered and date of same.

PZ:RC
5/28/63

Location 340 Niagara Street

Date 2-24-81

Form 29
11/6/67

BUREAU OF FIRE PREVENTION
FLAMMABLE LIQUID ORDINANCE CHAPTER XXIX

STORAGE AND USE OF Gasoline (TYPE OF LIQUID) Class I (CLASS)

APPLICATION DATE: December 13,1977 DISTRICT ZONING CM

NAME Texaco Inc. ADDRESS 340 Niagara St.

USE: COMMERCIAL X PRIVATE ___ PROPERTY: CITY ___ PRIVATE X

CONTRACTOR Niagara Tank & Pump ADDRESS 262 Carlton St. Bflo, N.Y.

APPROVED Joseph E. Hynes JEH TITLE Chief

Buffalo Fire Dept. Bureau of Fire Prevention

INSTALLATION DATE: 1-20-78

APPLICATION NO: 152860 DATE 12-13-77 PERMIT NO: B 10884 DATE 12-13-77

TANKS:

Number of One

Capacity of Each 8000 Fibre Glass

Total Capacity 21,000 Gallons

Above Ground No

Feet Underground 4 Feet

Feet From Property Line 22Feet

Feet From Street Line 80 Feet

Feet From Bldg. or Cellar 22 Feet

U.L. Label Numbers D 852431

Public Assemblage Bldg. Within 300 Ft. No (Sec. 82)

Less Than 50 Feet From RR & Docks? (Sec. 16,Chap. LLX) N.A.

FILL PIPE:

Size 4 Inch Extended Fill? Drop Tube

Located Outside Yes Protected Yes

Feet From Bldg. Opening 15 Feet

VENT PIPE:

Number of One

Size 2 Inch

Terminates Outside Yes

Feet Above Fill Pipe 12 Feet

Feet From Bldg. Opening 8 Feet

Weaherproof Hood Yes

Flame Arrester ___

PUMPS:

Number of Pumps ___

Feet From Bldg. Line ___

Feet From Street Line ___

U.L. Label Nos. ___

If inside Bldg., are pumps protected as required by Sec. 148 ___

TESTS: (Sec. 91)

APPROVED 5# air OK JES

DISAPPROVED ___

ALL TANKS, PUMPS AND PIPING, ARE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLAMMABLE LIQUID ORDINANCE, I THEREFORE, RECOMMEND

APPROVED Joseph E. Skalske II FPB DATE 1-20-78

THE ABOVE LOCATION HAS BEEN INSTALLED FOR THE FOLLOWING SUPPLIER.

NAME ___ ADDRESS ___

IMPORTANT: Include Remarks, Sketch of Pump and Tank Locations On other side, or attach sketch to form. Forward Copy to BUREAU OF FIRE PREVENTION.

LOCATION 340 NIAGARA LIENSE REQUIRED YES BATTALION COMPANY

PL
15'
22'
EX 3M
FIBER GLASS
(F) 8M
EX 3M
EX 3M
EX 14M
1'-0"
31'
N
NIAGARA ST
STATION NIAGARA
(V) VENT
(F) FILL
EX - EXISTING
1-20-78 SKALSKI - NOT TO SCALE.

APPROVED

...TO COMPLY WITH ALL
APPLICABLE ORDINANCES
...MAY INFORMATIVE ...
...OF FIRE PREVENTION

T.J.G. Skalski 12-13-77

DEPARTMENT OF FIRE
...MILL, NEW YORK

Form 29
11/6/67

BUREAU OF FIRE PREVENTION
FLAMMABLE LIQUID ORDINANCE CHAPTER XXIX

STORAGE AND USE OF Gasoline (TYPE OF LIQUID) 1 (CLASS)

LOCATION 340 Niagara Street LIENSE REQUIRED Yes BATTALION 2nd COMPANY Ladder 9

APPLICATION DATE: December 4, 1970

DISTRICT ZONING CM

NAME Texaco, Inc.

ADDRESS 340 Niagara Street

USE: COMMERCIAL # PRIVATE ____ PROPERTY: CITY ____ PRIVATE ____

CONTRACTOR Elmwood Electric and Pump

ADDRESS 810 Elmwood Avenue

APPROVED ~~DISAPPROVED~~ Paul J. Zalewski TITLE Chief

Bureau of Fire Prevention - Buffalo Fire Department

INSTALLATION DATE: 3/24/71

APPLICATION NO: 122983 DATE 12/18/70 PERMIT NO: A52957 DATE 12/18/70

TANKS:

Number of 1

Capacity of Each 3000

Total Capacity 3000

Above Ground No

Feet Underground 3'

Feet From Property Line 10'

Feet From Street Line 40

Feet From Bldg. or Cellar 10

U.L. Label Numbers ____

Public Assemblage Bldg. Within 300 Ft. None (Sec. 82)

Less Than 50 Feet From RR & Docks? (Sec. 16, Chap. LLX) ____

FILL PIPE:

Size 4" Extended Fill? ____

Located Outside YES Protected YES

Feet From Bldg. Opening 50

VENT PIPE:

Number of 1

Size 2"

Terminates Outside YES

Feet Above Fill Pipe 12'

Feet From Bldg. Opening 6'

Weaherproof Hood YES

Flame Arrester YES

PUMPS:

Number of Pumps ____

Feet From Bldg. Line ____

Feet From Street Line ____

U.L. Label Nos. ____

If inside Bldg., are pumps protected as required by Sec. 148 ____

TESTS: (Sec. 91)

APPROVED ____

~~DISAPPROVED~~

ALL TANKS, PUMPS AND PIPING, ARE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLAMMABLE LIQUID ORDINANCE, I THEREFORE, RECOMMEND

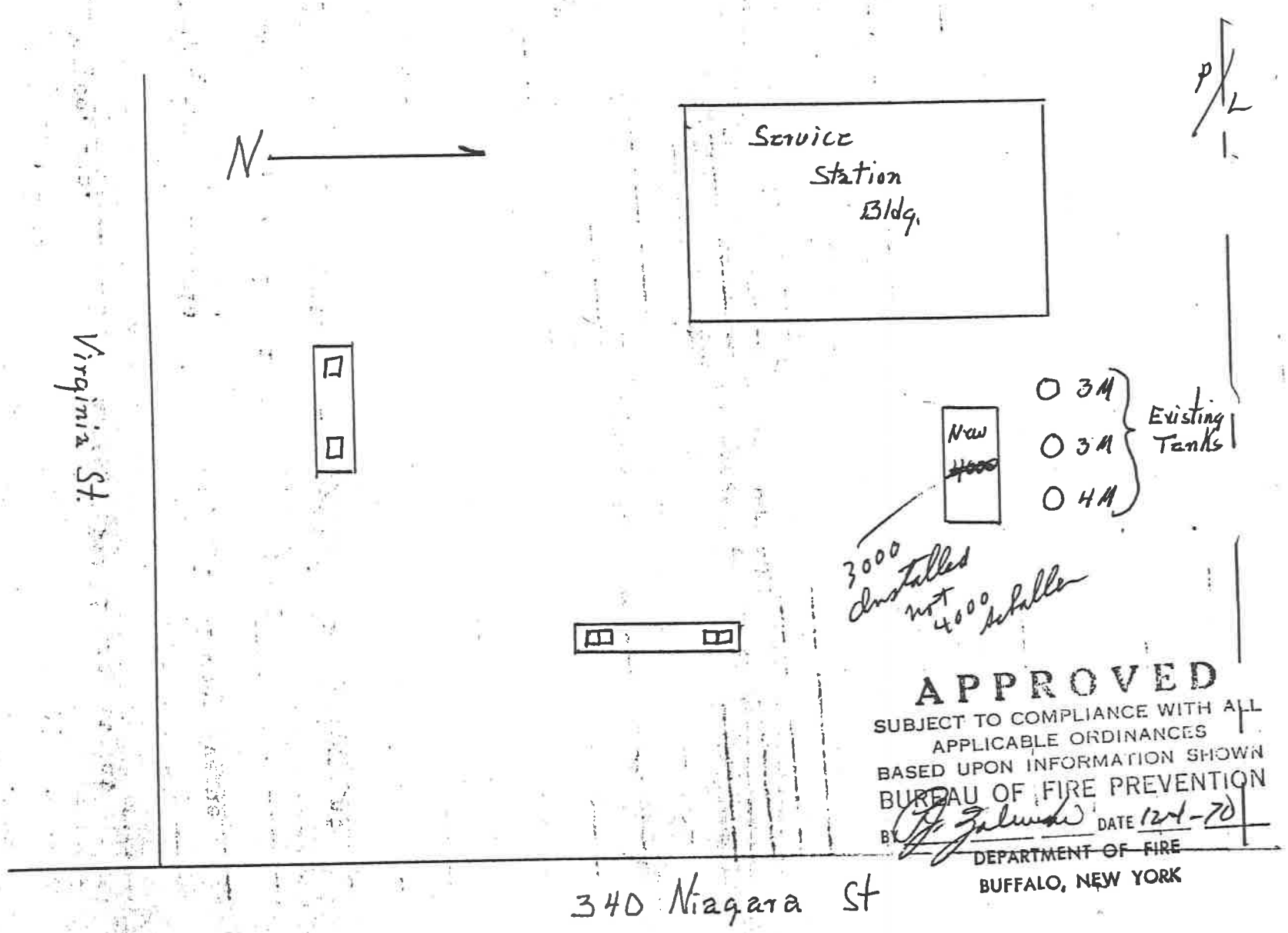
APPROVED Lt. H. Schmitt DATE 3/24/71

THE ABOVE LOCATION HAS BEEN INSTALLED FOR THE FOLLOWING SUPPLIER.

NAME Texaco Inc. ADDRESS River Rd.

IMPORTANT: Include Remarks, Sketch of Pump and Tank Locations On other side, or attach sketch to form. Forward Copy to BUREAU OF FIRE PREVENTION.

Texaco - Service Station
340 Niagara St.



APPROVED
SUBJECT TO COMPLIANCE WITH ALL APPLICABLE ORDINANCES
BASED UPON INFORMATION SHOWN
BUREAU OF FIRE PREVENTION
BY _____ DATE 12-1-70
DEPARTMENT OF FIRE
BUFFALO, NEW YORK

F29 (Revised 6/56)

BUFFALO FIRE DEPARTMENT
FLAMMABLE LIQUID ORDINANCE CHAP. XXIX
STORAGE AND USE

APPLICATION ☐
INSTALLATION ☑
SURVEY ☐

Gasoline — TYPE OF LIQUID
1 — CLASS

BATTALION 2
COMPANY
DATE 3/20 1958

LOCATION 354 Niagara

COMMISSIONER OF FIRE:

LOCATION 354 Niagara
NAME Avis Car Rental
PURPOSE OF USE: COMMERCIAL (PRIVATE)
APPLICATION NO. ____ Date: ____
PERMIT NO. ____ Date: ____

CITY PROPERTY (CURB) ☐
PRIVATE PROPERTY ☒
ZONED USE DISTRICT C.M.
IS LICENSE REQUIRED? Yes.
CONTRACTOR Elmwood Elect.
ADDRESS 810 Elmwood.

TANKS:
Number of 1
Capacity of Each 3000
Capacity Total 3000
Above Ground No.
Feet Underground 3
Ft. from Property Line 40
Ft. from Street Line (Min. 10 ft.) 40
Ft. from Cellar or Bldg. ✓
U. L. Label Numbers D-109105

Public Assemblage Bldg. within 300 ft.? No. (Sec. 82)
Less than 50 ft. from RR & docks? (Sec. 16, Chap. LXX) No

VENT PIPE:
Number of 1
Size 2"
Terminates Outside Yes.
Ft. above Fill Pipe 12
Ft. from Bldg. Opening ✓
Weatherproof hood Yes.
Flame Arrester Yes.

PUMPS:
Number of Pumps 1
Ft. from Bldg. Line 50.
Ft. from Street Line (Min. 10 ft.) 50
U. L. Label Numbers
If inside bldg., are pumps protected as required by Sec. 148?

FILL PIPE:
Size 3"
Located Outside Yes.
Ft. from Bldg. Opening 10.
Protected against damage Yes.

TESTS: (Sec. 91)
APPROVED 3/20/58
DISAPPROVED

ALL TANKS, PUMPS AND PIPING, WILL BE ____, ARE ____, ARE NOT ____, INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY ORDINANCE, I THEREFORE, RECOMMEND

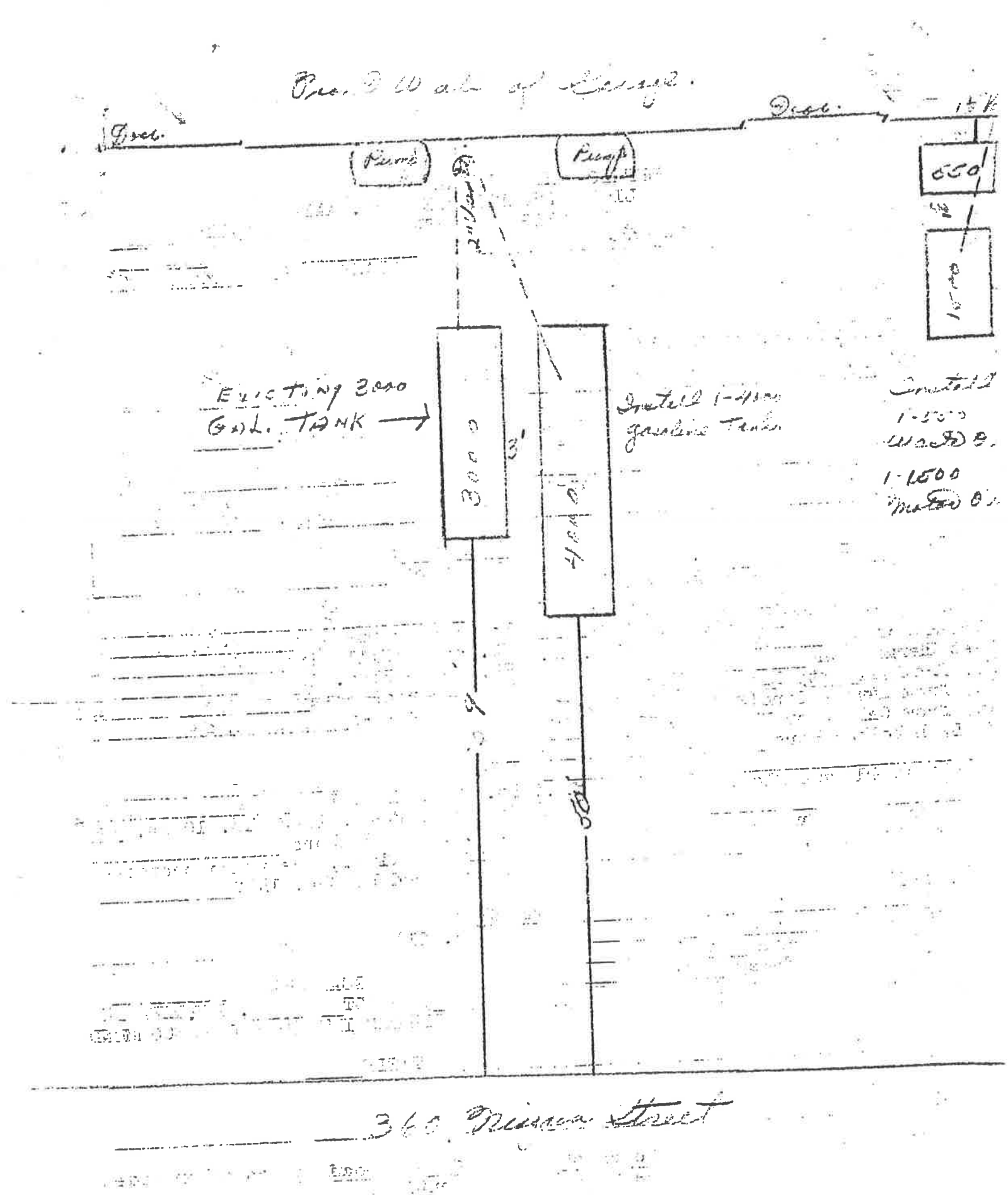
APPROVED ☒
DISAPPROVED ☐

Leo. Sheehan TITLE B. C.

APPROVED ____ DATE ____

IMPORTANT: Include Remarks, Sketch of Tank and Pump Location on other side.
Forward copy to Bureau of Fire Prevention.

Prop. Walk up Garage.



360 Prince Street

TANKS--Removed, Watered, or Slushed

Location 360 NIAGARA

Removed ✓ Make sure vent is removed.

Slushed ___ Make sure vent is removed at grade or below.

Watered ___ If it is expected to be watered for 3 years, be sure pump is removed and suction and vent capped.

Number of Tanks FOUR (4) Sizes 1-3000 1-550 1-4000 1-1500

Owner of Premises 4430 NORTH BAILEY INC

Present or Former Operator

Brand Name of Gasoline

Owner of Tank 4430 NORTH BAILEY INC

Address 4430 NORTH BAILEY 14226

Contractor OWNER - CHARLES MONTANA 832-8116

Address

Draw sketch of approximate location on property on reverse side. Also, any other pertinent information.

INSTRUCTIONS BELOW THIS LINE FOR OFFICE USE ONLY.

SEE ATTACHED LETTER LT R.G. KNOX FAB

If station had flammable liquid license, notify the Battalion Chief to have company remove from files. If station is still in business, make note on Form 29 of which tank or tanks have been removed, slushed, or watered and date of same.

PZ:RC
5/28/63

Location 360 NIAGARA

Date NOV. 1967

302 Normal Avenue
Buffalo, N.Y. 14213

February 4, 1988

Buffalo Fire Prevention Bureau
Environmental Control
312 City Hall
Buffalo, N.Y. 14202

Attention: Russell Knox

Gentlemen:

As per our telephone conversation, the tanks were removed and scraped from 354 and 360 Niagara Street. The demolition was done in November of 1987. The tanks were removed from the ground on a Sunday. This being the reason we couldn't reach the D.E.C. to notify them of removal. The tanks were cut and scraped with all of the other steel which was removed from the building.

I am sorry I did not notify you sooner in regard to this matter.

Sincerely yours,

Michael J. Alessi

CITY OF BUFFALO

NEW YORK

DEPARTMENT OF FIRE
195 COURT STREET
BUFFALO, N. Y. 14202

JAMES D. GRIFFIN
MAYOR

ALBERT G. DUKE
COMMISSIONER OF FIRE
855-5333

January 21, 1988

RE: 354-360 NIAGARA ST.

4430 North Bailey Inc.
4430 North Bailey
Buffalo, New York - 14226

Sir:

An inspection of the above noted location by a member of the Bureau of Fire Prevention disclosed underground flammable liquid tank (s) out of use.

Under the New York State Uniform Fire Prevention and Building Code, Chapter 10, Article I, Part 1164.5B; tanks that are out of use for more than one (1) year must be removed from the ground and excavation backfilled to grade level or filled with an inert material such as slushed concrete.

When this work is being conducted, a member of the Bureau of Fire Prevention must be present.

If this office is not notified within ten (10) days as to your intentions of the above matter, a court summons will be issued.

If any additional information is needed, please feel free to call 855-5707 weekdays from 8:30 A.M. to 4:00 P.M.

Very truly yours,

Russell G. Knox

Russell G. Knox, Lieutenant
BUREAU OF FIRE PREVENTION
Buffalo Fire Department

RGK/ch

BUREAU OF FIRE PREVENTION
BUFFALO, NEW YORK

360 NIAGARA ST. ADDRESS

Public Service Station____ Private Service Station X Repair Garage X

Name of Operator MADISON CAB CO. Telephone No. 853-3333

Location 360 NIAGARA Batt. Dist.__ Co. Dist.__ Zone__

Name of Product TEXACO No. Pumps 2 No. Disp. Nozzles 2

	YES	NO
1. Are No Smoking signs properly posted	___	X
2. Inventory kept daily	X	___
3. Does operator understand method of keeping inventory	X	___
4. Is license posted	X	___
5. Unused tanks removed	X	___
6. Suitable fire Ext.	X	___
7. Pumps in good condition	X	___
8. Are they protected	X	___
9. Hoses off driveway	X	___
10. Approaches to pumps clear of cars, etc.	X	___
11. Are customers warned to turn off motor	X	___
12. Is area clear of any indication of spillage	___	X
13. Is approved solvent used to clean parts	X	___
14. Is Building free of inside gas pumps	X	___
15. If there is a pit, does it comply with Code	NA	___
16. Do vent pipes equal the number of tanks	X	___
17. Do nozzle connections appear to be tight	X	___
18. Are self-closing metal cans provided	___	X
19. Is housekeeping inside O.K.	___	X
20. Is housekeeping outside O.K.	___	X
21. If collision work is done here, is it legal	X	___

Is there an underground waste oil tank? Yes X No___ Size 500 Gal

Who Removes it Buffalo Waste How often is it picked up__

2 Number & size of Gasoline tanks 1-4000 1-3000

Type of Heating Overhead Does it comply with the Code? Yes

Give explanation for all NO answers. Write NA in YES column if Not Applicable. Also check for open flames, drop cords, fuses, substandard wiring, heating devices in basement, and any other items pertaining to a hazardous location such as this, which may be a violation. Explanation and sketches to be put on reverse side of this form. Make out TWO copies, one for Street File and one for special Service Stations and Repair Garage File.

SEE ATTACHED LETTER:

SEPT. 1971 date

Lt. P. Colson
Inspector's Name

FJS:RC
2/13/69

360 NIAGARA

BUREAU OF FIRE PREVENTION

Time Entered Building

Time Left

DATE : 3-12-71

Construction Brick & Blk Stories 1 Area

Owner Madison Cab Co. Address 360 Niagara

Occupant same Address same

Occupancy Repair garage - Cab washing also No. Tenants 1

Sprinklers: Wet ☐ Dry ☐ Condition none Supply

Location, Shut-off Valves

Standpipe No. Location none Siamese Conn. Location

Condition Water Supply

Portable Fire Apparatus—No. & Kind on each floor 2 - 15# CO2 Condition good

Fire Appliance Recommended: Kind none

Location

Stairways: Number & Location none Enclosed —

Fire Escapes: Number - Location - Type none

Elevators: Number - Location - How Enclosed none

Do Elevator Gates Work Properly? — Condition of Pit —

Has building fire doors? no Condition —

Will they work? — If not automatic, are they kept closed?

Are openings through fire walls protected? —

Are floors overloaded? no What floors —

What conditions are skylights in? none

Is there a ladder to scuttle in roof of building? no Condition —

Are all openings in floors protected? —

Heating system: Type overhead Fuel gas

Fuel Oil Tank: Capacity 1 - 300 1 - 4000 Location underground

Volatile liquids—Oils or Acids Motor oil Quantity 50 gallons

Where kept? underground

Main Shut-off: Gas 1st floor - last wall Electric 1st floor - south wall

Any Violations of Laws or Ordinances? yes - see letter

Condition of Building poor Premises poor

Re-inspected

Whom interviewed Joseph Montana

Inspector Lt. P. Catron Company Officer same

Batt. Chief

Use other side for Recommendations, Remarks and Sketches

VIOLATIONS AND FLOOR FOUND ON

Aisles, insuffient or blocked

Ashes in wooden boxes, etc.

Acids, dangerous, not placarded

Baled papers, storing too much of

Chimney defective

Celluloid improperly stored

Concealed spaces

Doors or windows, blocked or nailed

Are there sufficient exits?

No zinc under stoves, etc.

No hood or vent over ranges, etc.

No metal cans for oily rags, etc.

No metal bins for excelsior, etc.

Ovens, etc., not properly protected

Partitions, too near stoves, etc.

Rubbish in yard or building

Rubber hose on gas appliances

Smoke pipes too near woodwork

Steam pipes, too near woodwork or stock

Storing explosives contrary to law

Ventilators full of grease, dust, etc.

Windows to fire escapes, out of order

QUESTIONS	Yes or No
Did you examine behind machines, ranges, shelves, benches, under stairs, dressing rooms, lockers, etc., for litter and fire hazards?	
Is boiler room kept clean, cut off?	
Are there any loose electric wires?	
Do they use paper shades on electric lights, or tie up wires on nails, pipes, etc.?	
Do they use any oil or electric appliances which would be likely to cause a fire?	
Do they use any substance which would be detrimental to firemen in case of fire? If so, what is it, where is it stored and what amount is carried in stock?	

Name of Occupant in Violation and Floor Found On

R.I – 4-26-71 Some work done - man asked for a 2 week extension - Will inspect at later date.

P. Colon

R.I – 6-15-71 – all OK according to letter.
File Closed – Lt P. Colon

1963
05
52

F29 (Revised 6/56)

BUFFALO FIRE DEPARTMENT
FLAMMABLE LIQUID ORDINANCE CHAP. XXIX
STORAGE AND USE

APPLICATION [X]
INSTALLATION [X]
SURVEY [X]

Gasoline _____ TYPE OF LIQUID _____ CLASS

BATTALION _____
COMPANY _____
DATE 4/8 1963

LOCATION 360 Niagara

COMMISSIONER OF FIRE:

LOCATION 360 Niagara Street
NAME Madison Cab Co

CITY PROPERTY (CURB) [ ]
PRIVATE PROPERTY [X]
ZONED USE DISTRICT _____

PURPOSE OF USE: COMMERCIAL (PRIVATE)

IS LICENSE REQUIRED? Yes.

APPLICATION NO. _____ Date: _____

CONTRACTOR Ozz Tank & Pump

PERMIT NO. _____ Date: _____

ADDRESS 15 Lafayette Ave

TANKS:
Number of 3
Capacity of Each 1-3000 Existing 1-4000 1-1500 1-550
Capacity Total 7000 gas - 1500 Motor Oil
Above Ground 550 Waste Oil
Feet Underground _____
Ft. from Property Line 10 +
Ft. from Street Line (Min. 10 ft.) 10 +
Ft. from Cellar or Bldg. 10 +
U. L. Label Numbers _____

Public Assemblage Bldg. within 300 ft.? (Sec. 82) _____

Less than 50 ft. from RR & docks? (Sec. 16, Chap. LXX) _____

VENT PIPE:
Number of 3
Size 2" & 1½"
Terminates Outside Yes
Ft. above Fill Pipe 12'
Ft. above Bldg. Opening 15'
Weatherproof hood Yes
Flame Arrester Yes

PUMPS:
Number of Pumps 2
Ft. from Bldg. Line 25 +
Ft. from Street Line (Min. 10 ft.) 25 +
U. L. Label Numbers _____
If inside bldg., are pumps protected as required by Sec. 148? _____

FILL PIPE:
Size 4"
Located Outside Yes
Ft. from Bldg. Opening 5 +
Protected against damage Yes

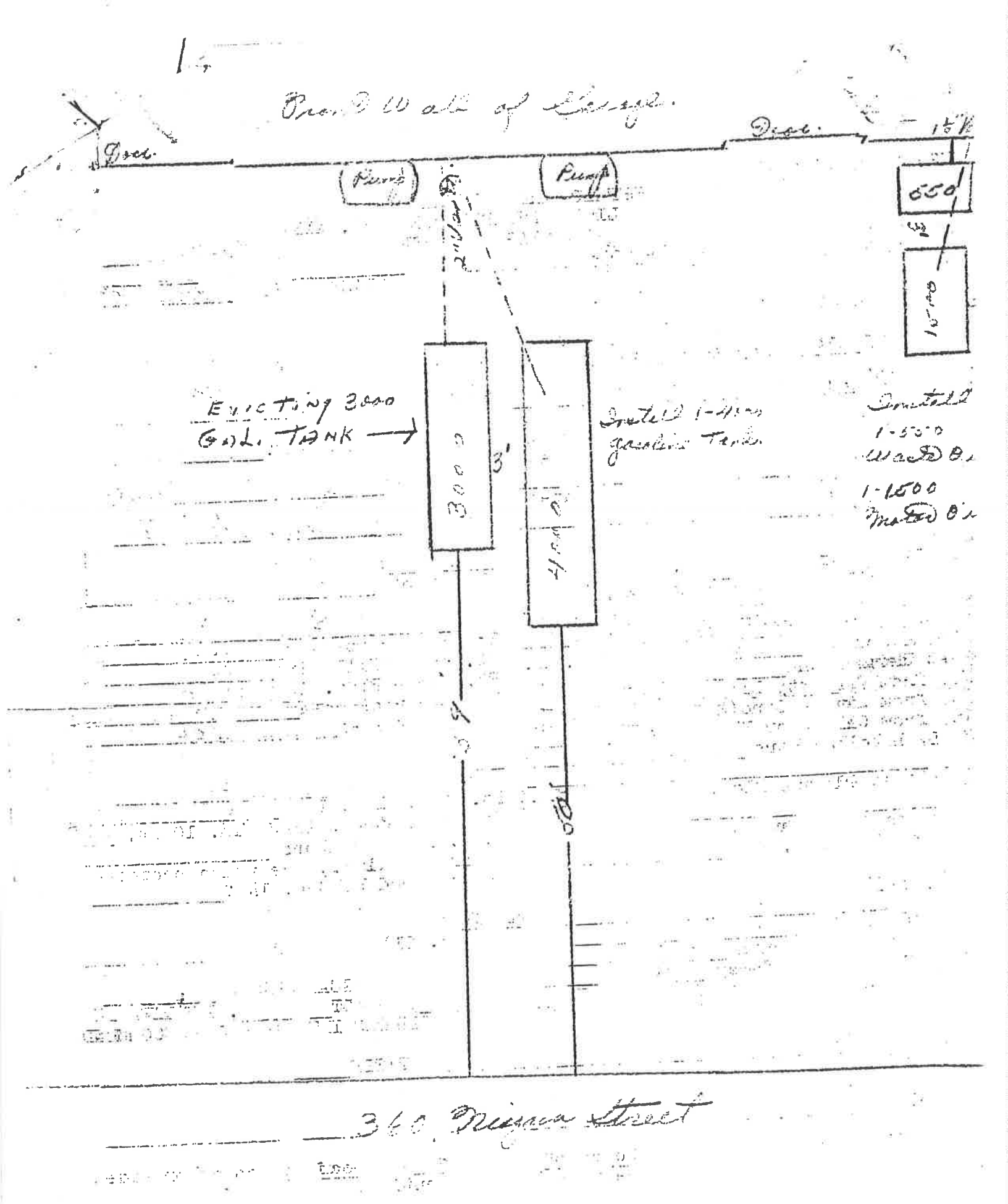
TESTS:
(Sec. 91) APPROVED _____
DISAPPROVED _____

ALL TANKS, PUMPS AND PIPING, WILL BE ___, ARE ___, ARE NOT ___, INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY ORDINANCE, I THEREFORE, RECOMMEND

APPROVED [X] Chas. T. Dietrich TITLE 2nd Batt Chief
DISAPPROVED [ ]

APPROVED _____ DATE 4/9/63

IMPORTANT: Include Remarks, Sketch of Tank and Pump Location on other side. Forward copy to Bureau of Fire Prevention.


Brick Wall of Garage.
Pump
Pump
EXISTING 3000 GAL. TANK
3000
4000
3'
Installed 1-4000 Gasoline Tank
Installed
1-5000
1-1500
360 Pearl Street

ATTACHMENT #3

SITE INSPECTION DOCUMENTATION

ID No.	Description
Table 1	Photoionization Detector Summary of Organic Vapor Screening

---

END OF ATTACHMENT #3

TABLE NO. 1
PHOTOIONIZATION DETECTOR
SUMMARY OF ORGANIC VAPOR SCREENING

CLIENT:	Ellicott Development	SAMPLES REC'D BY:	BDC
PROJECT:	Niagara & Virgina, Proposed Rite Aid	SAMPLE METHOD:	ASTM D1586
JOB NO:	94-316	TEST DATE:	11/16/94

TOTAL IONIZABLES PRESENT

SAMPLE I.D.		DEPTH (ft.)	PID READING (ppm)
Background		in air	0.0
B-1	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
B-2	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	No Recovery
B-3	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0

SAMPLE I.D.		DEPTH (ft.)	PID READING (ppm)
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	14-16	0.0
B-4	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	15-17	0.0
	S-8	20-22	0.0
	S-9	25-27	0.0
Background		in air	0.0

NOTES:

1. Screening of the headspace of sample containers was done using a Photovac, Inc. (Microtip HL-200) hand held air monitor photoionization detector (PID) equipped with a 10.6 eV bulb.
2. The PID was calibrated, prior to sample screening, using isobutylene in air at equivalent concentration of 54.6 ppm benzene in air.
3. The detected concentration in sample headspace does not represent actual concentration in soil but rather a realtive measure of total ionizables present with an ionization potential less than 10.6 eV.
4. Soil samples were allowed to acclimate to room temperature (22 deg. C) prior to headspace screening. Readings were obtained by inserting the sample line into the sample container through a hole in the lid.

TABLE NO. 1
PHOTOIONIZATION DETECTOR
SUMMARY OF ORGANIC VAPOR SCREENING

CLIENT:	Ellicott Development	SAMPLES REC'D BY:	BDC
PROJECT:	Niagara & Virgina, Proposed Rite Aid	SAMPLE METHOD:	ASTM D1586
JOB NO:	94-316	TEST DATE:	11/16/94

TOTAL IONIZABLES PRESENT

SAMPLE I.D.		DEPTH (ft.)	PID READING (ppm)
Background		in air	0.0
B-5	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	14-16	0.0
B-6	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	15-17	0.0

SAMPLE I.D.		DEPTH (ft.)	PID READING (ppm)
	S-8	20-22	0.0
	S-9	24-26	0.0
B-7	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	15-17	0.0
	S-8	20-22	0.0
	S-9	25-27	0.0
Background		in air	0.0

NOTES:

1. Screening of the headspace of sample containers was done using a Photovac, Inc. (Microtip HL-200) hand held air monitor photoionization detector (PID) equipped with a 10.6 eV bulb.
2. The PID was calibrated, prior to sample screening, using isobutylene in air at equivalent concentration of 54.6 ppm benzene in air.
3. The detected concentration in sample headspace does not represent actual concentration in soil but rather a realtive measure of total ionizables present with an ionization potential less than 10.6 eV.
4. Soil samples were allowed to acclimate to room temperature (22 deg. C) prior to headspace screening. Readings were obtained by inserting the sample line into the sample container through a hole in the lid.

TABLE NO. 1
PHOTOIONIZATION DETECTOR
SUMMARY OF ORGANIC VAPOR SCREENING

CLIENT: Ellicott Development	SAMPLES REC'D BY: BDC
PROJECT: Niagara & Virgina, Proposed Rite Aid	SAMPLE METHOD: ASTM D1586
JOB NO: 94-316	TEST DATE: 11/16/94

TOTAL IONIZABLES PRESENT

SAMPLE I.D.		DEPTH (ft.)	PID READING (ppm)
Background		in air	0.0
B-8	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	15-17	0.0
	S-8	20-22	0.0
	S-9	25-27	0.0

SAMPLE I.D.		DEPTH (ft.)	PID READING (ppm)
B-9	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	13-15	0.0
B-10	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	14-16	0.0
Background		in air	0.0

NOTES:

1. Screening of the headspace of sample containers was done using a Photovac, Inc. (Microtip HL-200) hand held air monitor photoionization detector (PID) equipped with a 10.6 eV bulb.
2. The PID was calibrated, prior to sample screening, using isobutylene in air at equivalent concentration of 54.6 ppm benzene in air.
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4. Soil samples were allowed to acclimate to room temperature (22 deg. C) prior to headspace screening. Readings were obtained by inserting the sample line into the sample container through a hole in the lid.

Phase I ESA
Property Solutions, Inc.

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

PHASE I ENVIRONMENTAL ASSESSMENT

of

Rite Aid
350 Niagara Street
Buffalo, Erie County, New York 14201
BOA Project Number – 13-011578-ENV02-001

Prepared for:

Bank of America, NA
3985 Sugarloaf Parkway
Mail Code: GA7-913-01-01
Lawrenceville, Georgia 30044

Prepared by:

Property Solutions Incorporated
323 New Albany Road
Moorestown, New Jersey 08057

December 5, 2013

Property Solutions Project No. 20134178

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

PHASE I ENVIRONMENTAL ASSESSMENT

of

Rite Aid
350 Niagara Street
Buffalo, Erie County, New York 14201
BOA Project Number – 13-011578-ENV02-001

Prepared for:

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3985 Sugarloaf Parkway
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Prepared by:

Property Solutions Incorporated
323 New Albany Road
Moorestown, New Jersey 08057

Dated: December 5, 2013

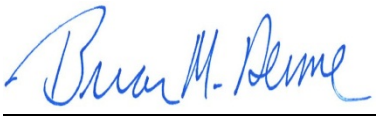
Property Solutions Project No. 20134178

Jack Curtis
Environmental Consultant

Brian Demme
Technical Manager

Tim Clackett
Regional Manager

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Brian Demme
Technical Manager

20134178

TABLE OF CONTENTS

SECTION **PAGE**

PROJECT SUMMARY

EXECUTIVE SUMMARY

1.0 INTRODUCTION 1
1.1 PURPOSE 1
1.2 SCOPE OF WORK 1
1.3 SIGNIFICANT ASSUMPTIONS 1
1.4 SPECIAL TERMS AND CONDITIONS 1
1.5 RELIANCE 2
2.0 GENERAL PROPERTY CHARACTERISTICS 2
2.1 PROPERTY LOCATION 2
2.2 ADJACENT PROPERTIES 2
2.3 PROPERTY DESCRIPTION 4
2.4 PROPERTY OPERATIONS 4
2.5 UTILITIES 5
3.0 ENVIRONMENTAL SETTING 5
3.1 REGIONAL PHYSIOGRAPHIC CONDITIONS 5
3.2 SOIL CONDITIONS 5
3.3 GEOLOGIC CONDITIONS 6
3.4 GROUNDWATER CONDITIONS 6
4.0 RESULTS OF INVESTIGATION 6
4.1 PROPERTY VISIT OBSERVATIONS 6
4.1.1 ASTM SCOPE CONSIDERATIONS 7
4.1.2 ASTM NON-SCOPE CONSIDERATIONS 11
4.2 ADJACENT PROPERTY AND VICINITY OBSERVATION 11
4.3 RESULTS OF REGULATORY AGENCY LIST REVIEW AND FILE RESEARCH 12
4.3.1 USEPA ENVIROFACTS 12
4.3.2 ENVIRONMENTAL DATABASE INFORMATION 12
4.3.3 LOCAL LISTS 18
4.3.4 DATABASE PROPRIETARY LISTS 18
4.4 RESULTS OF PROPERTY HISTORY AND LAND USE REVIEW 19
4.4.1 USER PROVIDED INFORMATION AND RESPONSIBILITIES 19
4.4.2 HISTORICAL PROPERTY INFORMATION 24
4.4.3 INTERVIEWS 28
4.4.4 PROPERTY SPECIFIC RECORDS 29
4.5 SYNOPSIS OF PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND PLANS 36
4.6 ASBESTOS-CONTAINING MATERIALS 36

Property Solutions INC. 323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

4.7 RADON 36
4.8 LEAD BASED PAINT 36
4.9 LEAD IN DRINKING WATER 36
4.10 MOLD/WATER INTRUSION 37
5.0 CONCLUSIONS 38
6.0 RECOMMENDATIONS AND OPINIONS OF PROBABLE COST 40
7.0 LIMITATIONS 40
8.0 REFERENCES 41
8.1 INFORMATION SOURCES 41
8.2 DEFINITIONS 41
8.3 ACRONYMS 50
8.4 PURPOSE 52
8.5 SIGNIFICANT ASSUMPTIONS 52
8.6 SPECIAL TERMS AND CONDITIONS 53

ATTACHMENT I PROFESSIONAL QUALIFICATIONS

APPENDICES

APPENDIX A FIGURES
- USGS TOPO MAP
- TAX MAP
- WETLAND MAP

APPENDIX B PROPERTY DIAGRAM
APPENDIX C PHOTOGRAPHS
APPENDIX D USER CORRESPONDENCE
APPENDIX E AERIAL PHOTOGRAPHS
APPENDIX F HISTORIC MAPS
APPENDIX G PREVIOUS REPORTS AND PLANS
APPENDIX H CHAIN OF TITLE/ENVIRONMENTAL LIENS
APPENDIX I CORRESPONDENCE
APPENDIX J ENVIRONMENTAL DATABASE

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PROJECT SUMMARY

Client Name/User:	Bank of America, NA	Property Visit Date:	November 6, 2013
Client Contact:	Ms. Linda Gooden	Construction Date:	1995
Property Solutions Project No.:	20134178	No. Bldgs./Units:	One Bldg./One Unit
Property Solutions Project Manager:	Mr. Tim Clackett	No. of Stories:	One Story
Phone No.:	856-813-3000 (Ext. 209)	Bldg. Square Footage:	11,067 s.f.
Email:	tclackett@propertysolutionsinc.com	Property Acreage:	1.27 acres
Property Name:	Rite Aid	Basement/Slab-on-grade:	Slab-on-grade
Property Address:	350 Niagara Street	Property Use:	Pharmacy
Property Town, County, State:	Buffalo, Erie County, New York	Property History:	Gas station, auto repair, carpet cleaning, paint shop, carpenter shop, dentist office, candy company, electro plating shop, welding and taxicab company
Property Identification:	110.36-5.11	Other Improvements:	None

Our review of general property information, observation of adjacent properties, research of historical property information, including a review of environmental records, and a property visit revealed the following:

	No Issue Identified	REC	HREC	ASTM Non-scope considerations	Refer to Section
Property Operations	X				2.4
Neighboring Properties	X				2.2
Historical Review		(1)(4)	(5)		4.4
Previous Reports	X				4.5
Regulatory Review	X				4.3
USTs		(2)(3)			4.1.1
ASTs	X				4.1.1
PCBs	X				4.1.1
Chemicals/Hazardous Materials/Raw Materials	X				4.1.1
Waste Generation/Disposal	X				4.1.1
Stressed Vegetation, Staining, and Odors	X				4.1.1
Surficial Disturbances	X				4.1.1
ACMs	X				4.6
Radon	X				4.1.2

	No Issue Identified	REC	HREC	ASTM Non-scope considerations	Refer to Section
Lead-Based Paint	X				4.1.2
Lead in Drinking Water	X				4.1.2
Other	X				

Notes: To understand the property and report, you must read the complete report.

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of Rite Aid located at 350 Niagara Street in Buffalo, Erie County, New York 14201. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property except for the following:

Recognized Environmental Conditions

(1) A portion of the subject property was identified in the regulatory database as an EDR US Historic Cleaners facility. The regulatory database identifies the Compressed Air Carpet & Cleaning Company at the subject property from 1925 through 1964. Additionally, the historic city directories identified the Compressed Air Carpet & Cleaning Company at the subject property from at least 1930 through at least 1961. Cross referencing the Compressed Air Carpet & Cleaning Company with known dry-cleaning operations in the historic city directories did not indicate the presence of dry-cleaning operations associated with the subject property. While it is unlikely that dry-cleaning operations were conducted in conjunction with the Compressed Air Carpet & Cleaning Company, the potential for dry-cleaning operations cannot be precluded. As such, the potential exists for dry-cleaning solvent contamination to be present within the soil and groundwater profiles at the subject property. The potential for dry-cleaning solvent contamination represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for dry-cleaning solvent contamination to be present within the subsurface soil and groundwater profiles at the subject property.

(2) Based upon a review of the available records obtained from the City of Buffalo Building Department as well as the City of Buffalo Fire Prevention Bureau, Property Solutions is of the opinion that abandoned underground storage tanks (USTs) are present at the subject property. The potential presence of abandoned USTs at the subject property represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation including ground-penetrating radar be performed to evaluate the potential for abandoned USTs to be present at the subject property.

(3) During the course of this assessment there was no readily available documentation that would demonstrate the structural integrity of the removed USTs or the environmental integrity of the surrounding subsurface soil and groundwater at the portions of the subject property that were utilized for filling station, auto repair, or taxicab maintenance operations. As such, the potential exists for petroleum contamination to be present within the subsurface soil and groundwater profiles to be present at the subject property. The potential for petroleum contamination represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that any previously conducted subsurface investigation and/or tank closure reports be submitted to Property Solutions for review. Further actions and/or recommendations are contingent upon the results of this review. Should the subsurface investigations and/or tank closure reports not be available, Property Solutions recommends that a limited subsurface investigation be

performed to evaluate the potential for petroleum contamination to be present within the soil and groundwater profiles at the subject property.

(4) The historic city directories indicate that a filling station was present at 362 Niagara Street. However, a review of the available permits from the Buffalo Building Department and the Buffalo Fire Department did not indicate the installation and/or removal of USTs. However, auto repair operations were conducted at 362 Niagara Street from at least 1936 through at least 1956. The use of the portion of the subject property addressed at 362 Niagara Street as a filling station and auto repair operation from at least 1930 through at least 1961 represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for petroleum and/or hazardous materials contamination be present at the subject property resulting from the historic filling station and auto repair operations conducted at the portion of the subject property addressed as 362 Niagara Street.

The following historical recognized environmental condition was identified at the subject property based on the findings provided in this report:

Historical Recognized Environmental Conditions

(5) The subject property was identified on the LTANKS database. The regulatory database indicates that an UST removal operation was conducted at the subject property on May 26, 1995. The regulatory database further indicates that a 500-gallon waste oil tank as well as a 3,000-gallon fuel oil tank had been scheduled to be removed. During the tank removal operations, no visual contamination was observed. However, the results of analytical testing in the tank pit indicated the presence of semi-volatile organic compounds (SVOCs) in concentrations that exceeded regulatory standards. After excavating the tank pit again, no visual contamination was found. Additionally, the resampled soils did not indicate contaminant levels that exceeded regulatory guidelines. However, it was noted that sampling was not conducted for volatile organic compounds (VOCs) in the second round of sampling. It should be noted that the regulatory database indicated that PCB oil was released at the subject property. However, the regulatory database makes no mention of the sampling and testing for PCB contamination. In any event, the New York State Department of Environmental Conservation (NYSDEC) closed the regulatory file on this release incident on September 12, 1995. It should be noted that the NYDEC awards a "Case Closed" only when contamination has been investigated and/or remediated in accordance with regulatory standards. As such, this release incident represents a historic recognized environmental condition in connection with the subject property. However, Property Solutions recommends that a file review be conducted at the offices of the NYSDEC to evaluate the potential for residual contamination to be present at the subject property as well as to ascertain the locations from which the underground storage tanks were removed.

EXECUTIVE SUMMARY

Property Solutions Incorporated (Property Solutions) conducted a Phase I Environmental Assessment of the Rite Aid located at 350 Niagara Street in Buffalo, Erie County, New York 14201 (subject property) at the request of Bank of America, NA.

The subject property consists of an irregular-shaped, 1.27-acre parcel of land located on the northwest corner of the intersection of Niagara and Virginia Streets. The subject property is improved with a single-story commercial building constructed in 1995 (subject building). There are no other improvements on the subject property. The remaining portions of the subject property are covered with the associated paved parking areas, lawn areas, and landscaping. No water bodies are located on the subject property or the adjoining properties. Vehicular access to the subject property is gained via Niagara Street along the east side and via Virginia Street along the south side of the subject property.

The subject building consists of concrete block construction with a slab-on-grade foundation. The gross area of the subject building is approximately 11,067 square feet. The subject building contained a single tenant. The interior wall finishes consisted of painted drywall; the ceilings were finished with suspended ceiling tiles; and the floors were covered with laminated floor and vinyl floor tiles. There are vertical transportation systems at the subject property. No renovations to the subject building were reported. The subject building is heated and cooled by electricity and natural gas.

The subject property was historically used as a filling station, auto repair shop, a carpet cleaning operation, a paint shop, carpenter shop, welding company, dental office, electro plating shop, candy company and a taxicab company.

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of Rite Aid located at 350 Niagara Street in Buffalo, Erie County, New York 14201. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property except for the following:

<u>Recognized Environmental Conditions</u>

1. A portion of the subject property was identified in the regulatory database as an EDR US Historic Cleaners facility. The regulatory database identifies the Compressed Air Carpet & Cleaning Company at the subject property from 1925 through 1964. Additionally, the historic city directories identified the Compressed Air Carpet & Cleaning Company at the subject property from at least 1930 through at least 1961. Cross referencing the Compressed Air Carpet & Cleaning Company with known dry-cleaning operations in the historic city directories did not indicate the presence of dry-cleaning operations associated with the subject property. While it is unlikely that dry-cleaning operations were conducted in conjunction with the Compressed Air Carpet & Cleaning Company, the potential for dry-cleaning operations cannot be precluded. As such, the potential

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exists for dry-cleaning solvent contamination to be present within the soil and groundwater profiles at the subject property. The potential for dry-cleaning solvent contamination represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for dry-cleaning solvent contamination to be present within the subsurface soil and groundwater profiles at the subject property.

2. Based upon a review of the available records obtained from the City of Buffalo Building Department as well as the City of Buffalo Fire Prevention Bureau, Property Solutions is of the opinion that abandoned USTs are present at the subject property. The potential presence of abandoned USTs at the subject property represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation including ground-penetrating radar be performed to evaluate the potential for abandoned USTs to be present at the subject property.

3. During the course of this assessment there was no readily available documentation that would demonstrate the structural integrity of the removed USTs or the environmental integrity of the surrounding subsurface soil and groundwater at the portions of the subject property that were utilized for filling station, auto repair, or taxicab maintenance operations. As such, the potential exists for petroleum contamination to be present within the subsurface soil and groundwater profiles to be present at the subject property. The potential for petroleum contamination represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that any previously conducted subsurface investigation and/or tank closure reports be submitted to Property Solutions for review. Further actions and/or recommendations are contingent upon the results of this review. Should the subsurface investigations and/or tank closure reports not be available, Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for petroleum contamination to be present within the soil and groundwater profiles at the subject property.

4. The historic city directories indicate that a filling station was present at 362 Niagara Street. However, a review of the available permits from the Buffalo Building Department and the Buffalo Fire Department did not indicate the installation and/or removal of USTs. However, auto repair operations were conducted at 362 Niagara Street from at least 1936 through at least 1956. The use of the portion of the subject property addressed at 362 Niagara Street as a filling station and auto repair operation from at least 1930 through at least 1961 represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for petroleum and/or hazardous materials contamination be present at the subject property resulting from the historic filling station and auto repair operations conducted at the portion of the subject property addressed as 362 Niagara Street.

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The following historical recognized environmental condition was identified at the subject property based on the findings provided in this report:

5. The subject property was identified on the leaking storage tanks (LTANKS) database. The regulatory database indicates that an underground storage tank removal operation was conducted at the subject property on May 26, 1995. The regulatory database further indicates that a 500-gallon waste oil tank as well as a 3,000-gallon fuel oil tank had been scheduled to be removed. During the tank removal operations, no visual contamination was observed. However, the results of analytical testing in the tank pit indicated the presence of semi-volatile organic compounds in concentrations that exceeded regulatory standards. After excavating the tank pit again, no visual contamination was found. Additionally, the resampled soils did not indicate contaminant levels that exceeded regulatory guidelines. However, it was noted that sampling was not conducted for volatile organic compounds in the second round of sampling. It should be noted that the regulatory database indicated that PCB oil was released at the subject property. However, the regulatory database makes no mention of the sampling and testing for PCB contamination. In any event, the NYSDEC closed the regulatory file on this release incident on September 12, 1995. It should be noted that the NYSDEC awards a "Case Closed" only when contamination has been investigated and/or remediated in accordance with regulatory standards. As such, this release incident represents a historic recognized environmental condition in connection with the subject property. However, Property Solutions recommends that a file review be conducted at the offices of the NYSDEC to evaluate the potential for residual contamination to be present at the subject property as well as to ascertain the locations from which the underground storage tanks were removed.

1.0 INTRODUCTION

Property Solutions Incorporated (Property Solutions) conducted a Phase I Environmental Assessment of Rite Aid located at 350 Niagara Street in Buffalo, Erie County, New York 14201 (subject property) at the request of Bank of America. Bank of America is considered the User, as defined in ASTM E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The subject property is identified as 110.36-5.11, according to the Buffalo Tax Assessor.

A property location map is included in Appendix A.

This Phase I Environmental Assessment was conducted in general accordance with Bank of America, NA's General Services Agreement Number CW108417 dated October 6, 2009. The work was authorized by the Standard Engagement Letter (SEL) dated October 29, 2013 for BOA Project Number – 13-011578-ENV02-001.

Per the ASTM practice and throughout this report, the Client will be considered the same as the User in the ASTM E 1527-05 practice.

1.1 Purpose

The purpose of a Phase I Environmental Assessment is to evaluate issues that may have an impact on the subject property and to meet the purpose of Bank of America, NA's General Services Agreement Number CW108417 dated October 6, 2009 and the ASTM E 1527-05 practice. The purpose is further described in Section 8.4. This report is for the purpose of determining whether to make a loan evidenced by a note secured by the property.

1.2 Scope of Work

This Phase I Environmental Assessment was conducted in accordance with Bank of America, NA's General Services Agreement Number CW108417 dated October 6, 2009.

1.3 Significant Assumptions

The significant assumptions made by Property Solutions in this report are per Bank of America, NA's General Services Agreement Number CW108417 dated October 6, 2009, ASTM E 1527-05 practice, and as described further in Section 8.5.

1.4 Special Terms and Conditions

This Phase I Environmental Assessment was prepared in accordance with the stated and agreed upon Scope of Work. This Phase I Environmental Assessment was prepared in accordance with Bank of America, NA's General Services Agreement Number CW108417 dated October 6, 2009. Special terms and conditions are described in Section 8.6.

1.5 Reliance

Bank of America, N.A., its employees, agents, successors and assigns may rely upon this report in evaluating a request for an extension of credit to be secured by the subject property. This report may also be used and relied upon by (a) any additional lender extending credit to be secured by the subject property (the credit to be extended by Bank of America, N.A. and such additional lender is referred to as the (Mortgage Loan") and (b) any actual or prospective purchaser, transferee, assignee, or servicer of the Mortgage Loan (or any portion thereof), any actual or prospective investor (including agent or advisor) in any securities evidencing a beneficial interest in or backed by the Mortgage Loan (or any portion thereof), any rating agency actually or prospectively rating any such securities, any indenture trustee, and any institutional provider(s) from time to time of any liquidity facility or credit support for such financing. In addition, this report or a reference to this report may be included or quoted in any offering circular, private placement memorandum, registration statement or prospectus and Property Solutions agrees to cooperate in answering questions by any of the above parties in connection with a securitization or transaction involving the Mortgage Loan (or any portion thereof) and/or such securities. This report has no other purpose and should not be relied upon by any other person or entity.

2.0 GENERAL PROPERTY CHARACTERISTICS

2.1 Property Location

Property Location	
Property Name	Rite Aid
Property Address	350 Niagara Street
Property Town, County, State, Zip	Buffalo, Erie County, New York 14201
Property Tax Identification	110.36-1-5.11 (Buffalo Tax Assessor)
Property Topographic Quadrangle	Buffalo NW, New York
Nearest Intersection	Niagara and Virginia Streets
Area Description	Commercial

An excerpt from the USGS 7.5-minute series topographic quadrangle map of Buffalo NW, New York, locating the subject property, is included in Appendix A.

2.2 Adjacent Properties

Review of neighboring properties from the subject property and from public thoroughfares, and research of available information regarding the neighboring properties, were performed to identify evidence of environmental concerns that could adversely impact the subject property. The subject property is located in a residential and commercial area of Buffalo, New York.

Direction	Property	Address	Operations
North	Goodyear Auto Center	380 Niagara Street	Automotive service center
South	Virginia Street	Not applicable	Public thoroughfare
	Green space	Not applicable	None
East	Niagara Street	Not applicable	Public thoroughfare
	Sammy's Auto Center	369 Niagara Street	Automotive service center
	Botanica El Indio	359 Niagara Street	Religious goods
	Niagara Liquors	351 Niagara Street	Liquor store
	Niagara Variety Market	349 Niagara Street	Market
	Apartment building	339 Niagara Street	Residential
West	Vacant commercial building	146 Virginia Street	Vacant
	Vacant lot	275 7th Street	Vacant
	7th Street	Not applicable	Public thoroughfare

Based on a review of neighboring properties from the subject property and from public thoroughfares, the neighboring properties do not appear to be of the type likely to pose a significant threat to the environmental condition of the subject property. The neighboring properties were not listed in the environmental database reviewed or Envirofacts, with the exception of the following.

Database Listings

- Goodyear, 380 Niagara Street: Aboveground Storage Tank (AST), a RCRA Conditionally Exempt Small Generator (CESQG), and a leaking storage tanks (LTANKS)
- 146 Virginia Street: RCRA Non-Generator
- 369 Niagara Street: CESQG

Envirofacts Listings

- Goodyear, 380 Niagara Street: CESQG
- 146 Virginia Street: Non-Generator
- 369 Niagara Street: CESQG

Based upon a review of the environmental database and Property Solutions' observations, the neighboring property, Goodyear (380 Niagara Street) is listed with documented releases but is not anticipated to impact the subject property due to the estimated direction of groundwater flow as well as the relatively immobile nature of the residual contaminants, SVOCs. This property is further discussed in Section 4.3.2.

A property diagram including neighboring properties is included in Appendix B. Photographs including the neighboring properties are included in Appendix C.

2.3 Property Description

Property Information	
Property Ownership Name	WEC 97A-7 Investment Trust (City of Buffalo Tax Assessor's Office)
Date of Acquisition	April 10, 1997 (City of Buffalo Tax Assessor's Office)
Property Acreage	1.27 acres (City of Buffalo Tax Assessor's Office)
Property Shape	Irregular
Property Use	Pharmacy
Number of Buildings	One
Number of Stories	One
Construction Date	1995 **(**City of Buffalo Tax Assessor's Office)
Building Square Footage	11,067 square feet (City of Buffalo Tax Assessor's Office)
Basement/Slab-on-grade	Slab-on-grade
Number of Units	One
Ceiling Finishes	Suspended ceiling tiles
Floor Finishes	Vinyl tiles and vinyl sheet flooring
Wall Finishes	Painted drywall
HVAC (Energy Source & Type of System)	Electrically operated and natural gas-fired roof-mounted package units
Renovation Date	None
Renovation Description	Not applicable
Vehicular Access	Via Niagara Street to the east and Virginia Street to the south
Other Improvements	None
Property Coverage	Footprint of the subject building and associated parking areas

A property diagram of the subject property is included in Appendix B.

2.4 Property Operations

The subject property is utilized as a pharmacy and retail store.

No industrial or manufacturing operations were observed at the subject property at the time of the property visit.

No environmental concerns were identified at the subject property based on the operations observed during the property visit.

2.5 Utilities

Property Solutions was informed by Mr. Luis Martinez, Rite Aid Manager, that the following companies and municipality currently provide utility services to the subject property:

Utility	Provider
Electricity	National Grid
Natural Gas	National Fuel
Sanitary Sewerage	City of Buffalo
Potable Water	City of Buffalo
Solid Waste Removal	Waste Management
Fuel Oil	Not provided to subject property
Steam	Not provided to subject property

3.0 ENVIRONMENTAL SETTING

3.1 Regional Physiographic Conditions

Topographic Quadrangle Name	Buffalo NW, New York
Property Elevation	approximately 600 feet above mean sea level
Surface Gradient	Southwest
Property Drainage	The subject property drains to the municipal storm water system.
Regional Drainage	West
Closest Perennial Water body	Lake Erie approximately 2,600 feet west of

A copy of the USGS 7.5-minute series topographic quadrangle map of Buffalo NW, New York, is included in Appendix A.

3.2 Soil Conditions

Information Source	USDA Natural Resources Conservation Service's Web Soil Survey
Date of Information Source	Online query
Soil Name	Urban land – Collamer complex, 1 to 6 percent slopes
Description: The Urban land unit is in areas where more than 85 percent of the surface is covered by structures and paved areas. The natural soil cannot be observed. Collamer soils are defined as moderately well-drained soils derived from silty and clayey glaciolacustrine deposits and can be found in lake plains. A typical soil profile consists of layers of silt loam to a depth of 15 inches followed by a layer of silty clay loam to a depth of 32 inches, and a layer of stratified silt loam to very fine sand to silty clay loam to a depth of 60 inches.	
Expected depth to bedrock	More than 80 inches

3.3 Geologic Conditions

Information Source	USGS Digital Data Series
Title of Publication	State Geologic Map Data
Date of Publication	Online query
Name of Unit	Onondaga and Bois Blanc Limestones
Description of Unit: Middle Devonian Onondaga of NY represents broad, carbonate platform facies deposited during early to middle Eifelian time. Carbonates are characterized by calcarenitic to cherty to argillaceous limestones and minor shales deposited in a shallow epicontinental sea.	

3.4 Groundwater Conditions

Information Source	USGS
Title of Publication	Ground Water Atlas of the United States – Segment 12
Date of Publication	1995
Underlying Aquifer	A carbonate rock aquifer
Description: This type of aquifer covers a small area in the northern portion of Erie County that runs from east to west. In western New York, the carbonate rock aquifers crop out along the escarpment that marks the northern and eastern edges of the Appalachian Plateaus Physiographic Province. Carbonate rock aquifers generally yield 10 to 30 gallons per minute to wells. Yields could be larger or smaller, depending on the size of dissolution factors in the rock.	

Expected Depth to Shallow Groundwater	18 to 24 inches
Information Source	Web Soil Survey
Expected Direction of Shallow Groundwater Flow	West
Information Source	USGS Topographic map

4.0 RESULTS OF INVESTIGATION

4.1 Property Visit Observations

Property Visit Date	November 6, 2013
Property Solutions Personnel and Title	Jack Curtis, Environmental Consultant
Property Escort Name	Mr. Luis Martinez
Property Escort Title	Manager
Property Escort Company	Rite Aid
Property Escort Affiliation	Employee
Property Escort Years of Association with Subject Property: 16 years	
No Key Site Manager (KSM) questionnaire was completed.	
Person Completing KSM questionnaire Name	Not Applicable
Person Completing KSM questionnaire Company	Not Applicable
Person Completing KSM questionnaire Affiliation	Not Applicable

Property Visit Date	November 6, 2013
Inaccessible Areas and Reason: None	
Weather Conditions: Partly cloudy	Approximate Temperature: 46 degrees F
No weather conditions limiting observations were noted.	
Describe Limiting Conditions Present: Not Applicable	

Property Solutions observed the following areas during the property visit:

- Interior areas, exterior areas, and the subject property boundaries.

It should be noted that photographs of the interior areas of the subject building were not permitted during the property visit.

Photographs taken during the property visit are included in Appendix C.

4.1.1 ASTM Scope Considerations

During the property visit the below ASTM Scope considerations were reviewed. Visual evidence of the below ASTM Scope considerations were evaluated during the property visit. In addition, the property contact or Key Site Manager was questioned about the presence of the below ASTM Scope items.

ASTM Scope Item	Evidence Observed	Property Contact Aware of Item	Comment
USTs	No	No	Discussed below.
ASTs	No	No	Not a concern.
PCB electrical equipment	Yes	Yes	Utility Owned. No evidence of leaking or staining. Not a concern.
Hydraulic equipment	No	No	Not a concern.
Chemicals, Hazardous Materials, and Raw Materials Storage and Usage	Yes	Yes	Small quantities of routine cleaning supplies as well as pre-packaged consumer goods for sale to the general public. Not a concern.
Waste Generation, Storage and Disposal	Yes	Yes	Solid waste consisted of domestic municipal waste and recyclable materials. Not a concern.
Wells, Sumps, Pits, and Floor Drains	Yes	Yes	Discussed below.
Stormwater Runoff and Surface Water	No	No	Not a concern.
Lagoons, Septic Systems, Separators	No	No	Not a concern.
Stressed Vegetation, Staining and Odors	No	No	Not a concern.
Surficial Disturbances	No	No	Not a concern.
On-property Dry Cleaners	No	No	Discussed below.

No issues of concern were noted during the property visit with the exception of the following:

Underground Storage Tanks

The following table is a list of the former USTs identified at the subject property:

UST No.	Capacity (gallons)	Contents	Material of Construction	Date	Leak Detection	Corrosion Protection	Spill/ Overfill	Registered	Status
01	2,000	Gasoline	Steel	1947	UNK	UNK	UNK	No	UNK
02	2,000	Gasoline	Steel	1955	UNK	UNK	UNK	No	UNK
03	1,000	Fuel Oil	Steel	1955	UNK	UNK	UNK	No	REM
04	550	Fuel Oil	Steel	1955	UNK	UNK	UNK	No	REM
05	3,000	Gasoline	Steel	1955	UNK	UNK	UNK	No	REM
06	3,000	Gasoline	Steel	1955	UNK	UNK	UNK	No	REM
07	3,000	Gasoline	Steel	1955	UNK	UNK	UNK	No	REM
08	3,000	Gasoline	Steel	1966	UNK	UNK	UNK	No	REM
09	3,000	Gasoline	Steel	1966	UNK	UNK	UNK	No	REM
10	4,000	Gasoline	Steel	1966	UNK	UNK	UNK	No	REM
11	3,000	Gasoline	Steel	1970	UNK	UNK	UNK	No	REM
12	8,000	Fiberglass	Steel	1977	UNK	UNK	UNK	No	REM
13	4,400	Gasoline	Steel	1930	UNK	UNK	UNK	No	UNK
14	4,400	Gasoline	Steel	1930	UNK	UNK	UNK	No	UNK
15	4,000	Gasoline	Steel	1940	UNK	UNK	UNK	No	UNK
16	3,000	Gasoline	Steel	1958	UNK	UNK	UNK	No	REM
17	4,000	Gasoline	Steel	1963	UNK	UNK	UNK	No	REM
18	1,500	Fuel Oil	Steel	1963	UNK	UNK	UNK	No	REM
19	550	Used Oil	Steel	1963	UNK	UNK	UNK	No	REM

Date - Date of installation
UNK - Unknown
REM - Removed

UST No.	Location/Former Location	Use/Former Use of Tank
01	340 Niagara Street	Gasoline storage
02	340 Niagara Street	Gasoline storage
03	340 Niagara Street	Fuel oil storage
04	340 Niagara Street	Used oil storage
05	340 Niagara Street	Gasoline storage
06	340 Niagara Street	Gasoline storage
07	340 Niagara Street	Gasoline storage
08	340 Niagara Street	Gasoline storage
09	340 Niagara Street	Gasoline storage
10	340 Niagara Street	Gasoline storage
11	340 Niagara Street	Gasoline storage

UST No.	Location/Former Location	Use/Former Use of Tank
12	340 Niagara Street	Gasoline storage
13	338 Niagara Street	Gasoline storage
14	338-340 Niagara Street	Gasoline storage
15	354 Niagara Street	Gasoline Storage
16	354 Niagara Street	Gasoline Storage
17	360 Niagara Street	Gasoline Storage
18	360 Niagara Street	Fuel Oil Storage
19	360 Niagara Street	Used Oil Storage

A review of the UST installation and/or removal permits from the City of Buffalo Building Department and the City of Buffalo Fire Prevention Bureau indicate the following.

- It is unlikely that there are any USTs associated with 338 Niagara Street that was issued to M&T bank in July 1930. The 1925 Sanborn fire insurance map indicates the presence of a bank across Virginia Street. Property Solutions is of the opinion that the UST associated with this permit is not associated with the subject property.

- A 4,400-gallon gasoline UST was present at 336-346 Niagara Street. The permit to install the UST was issued to the Goodyear-Wendy Corporation and was dated January 20, 1930. There is no corresponding removal permit for this UST.

- A 2,000-gallon gasoline UST is potentially present at 340 Niagara Street. The permit to install the underground storage tank was issued to the Rand Building Corporation and was dated August 14, 1947. There is no corresponding removal permit for this UST.

- A 2,000-gallon gasoline UST is potentially present at 340 Niagara Street. The permit to install the UST was issued to the Texas Corporation and was dated April 21, 1950. There is no corresponding removal permit for this UST.

- On November 4, 1955, a permit was issued to the Texas Corporation to install a 1,000-gallon fuel oil storage tank at 340 Niagara Street. There is no corresponding tank removal permit for this UST. However, the regulatory database indicates that a 3000-gallon fuel oil storage tank was removed from the subject property in May 1995. Notwithstanding the differences in tank capacity, Property Solutions is of the opinion that the UST removal conducted in May 1995 corresponds to the fuel oil tank that was installed at the subject property in November 1955.

- A 4,000-gallon gasoline UST is potentially present at 354 Niagara Street. The permit to install the UST was issued to Albert Sugnet and was dated April 22, 1940. There is no corresponding removal permit for this UST.

- The building department records indicate a 3,000-gallon gasoline underground storage tank was installed at 354 Niagara Street by the Van Dyke Company on March 11, 1958. The Fire Department's records indicate a 3,000-gallon gasoline UST was installed at 354 Niagara Street by Avis Car Rental on March 20, 1958. Property Solutions is of the opinion that these two permits pertain to the same action. As such, only one 3,000-gallon gasoline UST was installed. There is no corresponding record of tank removal. However, a Fire Department permit dated April 8, 1963 indicated the installation of 500-gallon, 1,500-gallon, and a 4,000-gallon UST at the Madison Company located at 360 Niagara Street. The Fire Department records noted the existing presence of a 3,000-gallon gasoline UST. The Fire Department records indicate that all USTs located at 360 Niagara Street were removed in November 1987.

Based upon a review of the available records obtained from the City of Buffalo Building Department as well as the City of Buffalo Fire Prevention Bureau, Property Solutions is of the opinion that abandoned USTs are present at the subject property. The potential presence of abandoned USTs at the subject property represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation including ground-penetrating radar be performed to evaluate the potential for abandoned USTs to be present at the subject property.

Additionally, during the course of this assessment there was no readily available documentation that would demonstrate the structural integrity of the removed USTs or the environmental integrity of the surrounding subsurface soil and groundwater at the portions of the subject property that were utilized for filling station, auto repair, or taxicab maintenance operations. As such, the potential exists for petroleum contamination to be present within the subsurface soil and groundwater profiles to be present at the subject property. The potential for petroleum contamination represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that any previously conducted subsurface investigation and/or tank closure reports be submitted to Property Solutions for review. Further actions and/or recommendations are contingent upon the results of this review. Should the subsurface investigations and/or tank closure reports not be available, Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for petroleum contamination to be present within the soil and groundwater profiles at the subject property.

No evidence of high-pressure natural gas or liquid petroleum transmission pipelines was observed within ten feet of the structures on the subject property. Review of available property maps did not reveal the presence of easements for high pressure natural gas or liquid petroleum transmission pipelines within ten feet of the structures on the subject property.

Wells, Sumps, Pits, and Floor Drains

No wells, pits, or sumps were observed at the subject property during the property visit. However, floor drains were located in restrooms area of the subject buildings. No staining was observed around or near the drains. Chemical storage was not observed in the proximity of the floor drains. According to Mr. Martinez, the floor drains discharge to the municipal sanitary

sewer system. No concerns were identified with regard to the floor drains located in the subject building.

On-Property Dry Cleaners

No dry cleaning operations were observed at the subject property at the time of the property visit. Mr. Martinez was not aware of dry cleaning operations at the subject property.

A portion of the subject property was identified in the regulatory database as an EDR US Historic Cleaners facility. The regulatory database identifies the Compressed Air Carpet & Cleaning Company at the subject property from 1925 through 1964. Additionally, the historic city directories identified the Compressed Air Carpet & Cleaning Company at the subject property from at least 1930 through at least 1961. Cross referencing the Compressed Air Carpet & Cleaning Company with known dry-cleaning operations in the historic city directories did not indicate the presence of dry-cleaning operations associated with the subject property. While it is unlikely that dry-cleaning operations were conducted in conjunction with the Compressed Air Carpet & Cleaning Company, the potential for dry-cleaning operations cannot be precluded. As such, the potential exists for dry-cleaning solvent contamination to be present within the soil and groundwater profiles at the subject property. The potential for dry-cleaning solvent contamination represents a recognized environmental condition in connection with the subject property.

4.1.2 ASTM Non-Scope Considerations

During the property visit and investigation the below ASTM Non-Scope considerations were reviewed. Visual evidence of the below ASTM Non-Scope considerations were evaluated during the property visit. In addition, the property contact or Key Site Manager was questioned about the presence of the below ASTM Non-Scope items.

ASTM Non-Scope Item	Evidence Observed	Property Contact Aware of Item	Comment
Potential Wetlands	No	No	None observed. None indicated on US Dept. of Interior NWI Map of Buffalo NW, NY
Air Emissions	No	No	No issues of concern noted.

4.2 Adjacent Property and Vicinity Observation

Review of neighboring properties from the subject property and from public thoroughfares, and research of available information regarding the neighboring properties, were performed to identify evidence of environmental concerns that could adversely impact the subject property. The subject property is located in a residential and commercial area of Buffalo, New York.

Based on a review of neighboring properties from the subject property and from public thoroughfares, the neighboring properties do not appear to be of the type likely to pose a significant threat to the environmental condition of the subject property. The neighboring

properties were not listed in the environmental database reviewed or Envirofacts. The adjacent properties are further discussed in Section 2.2.

4.3 Results of Regulatory Agency List Review and File Research

4.3.1 USEPA Envirofacts

Property Solutions contacted the United States Environmental Protection Agency (USEPA) through an on-line search via the Internet to obtain information concerning the subject property. Property Solutions performed a search of Envirofacts, a USEPA-generated website that integrates data extracted from five major USEPA program systems: Aerometric Information Retrieval System (AIRS)/AIRS Facility Subsystem (AFS), Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), Permit Compliance System (PCS), Resource Conservation and Recovery Information System (RCRIS) and Toxic Chemical Release Inventory System (TRIS), using two integrating databases: Facility Index System (FINDS) and Envirofacts Master Chemical Integrator (EMCI).

Property Solutions generated a printout of all facilities under the programs identified above that are located within the subject property's zip code (14201). The subject property and adjoining properties were listed among the sites identified during the query search. The query was executed on November 5, 2013. The following table summarizes the listings for the subject property and adjoining properties.

Hazardous Waste Handler

Listing Type	Facility Name	Address	USEPA ID No.	Handler/Facility Classification
Adjoining Property	Goodyear Auto Service Center	380 Niagara St	NYD986982973	Conditionally Exempt Small Generator
Adjoining Property	Sammy's Collision	369 Niagara St	NYN008019747	Conditionally Exempt Small Generator
Adjoining Property	Spalding Allen P Jr	146-148 Virginia Street	NYR000076380	No classification
Subject Property	Rite Aid #497	350 Niagara St	NYR000189753	Large Generator

A copy of the search results is included in Appendix I.

4.3.2 Environmental Database Information

As part of the Phase I Environmental Assessment, Property Solutions utilized Environmental Data Resources, Inc. (EDR) of Milford, Connecticut, as an information source for regulatory agency environmental database records. The environmental database was dated November 5, 2013.

Data supplied by EDR is included in Appendix J. This database also includes the required documentation of sources checked as per Section 8.1.8 of the ASTM standard.

The following summary of the database information is divided into two columns. The first column lists sites as identified and located by EDR within the specified distance of the subject property. The second column lists orphan sites, which could not be located by EDR due to incomplete and/or inaccurate address information included in the United States Environmental Protection Agency (USEPA)/state databases, which Property Solutions identified as potentially lying within the search distance.

Although the exact locations of the orphan sites are frequently unknown, Property Solutions attempts to evaluate the potential adverse environmental impact that these sites may have on the subject property. This evaluation consists of reviewing street names in an effort to learn whether the street on which the site is located lies within the search distance of the subject property, a drive-by view of surrounding properties during the site visit, and evaluating the site type and information provided by government agencies. The orphan sites included in the following table are those Property Solutions identified as potentially located within the identified search distance. A complete list of sites is included in Appendix J.

Environmental Database Summary

Database	Radius	Plottable	Orphan
National Priorities List	1 Mile	0	0
State/Tribal Hazardous Waste Sites	1 Mile	1	0
RCRA Corrective Action Treatment/Storage/ Disposal (TSD) Facilities (CORRACTS)	1 Mile	2	0
Delisted National Priorities List	½ Mile	0	0
CERCLIS Sites	½ Mile	0	0
CERCLIS No Further Remedial Action Planned (NFRAP) Sites	½ Mile	0	0
RCRA Non-Corrective Action TSD Facilities	½ Mile	0	0
State/Tribal Voluntary Cleanup Sites	½ Mile	1	0
State/Tribal Brownfield Sites/CERCLIS Equivalent	½ Mile	6	0
State/Tribal Leaking Registered Storage Tank Sites	½ Mile	16	0
State/Tribal Solid Waste Landfill Sites/Facilities	½ Mile	0	0
Historic Landfills	½ Mile	0	0
Federal/State/Tribal Engineering Controls Registries	½ Mile	0	0
Federal/State/Tribal Institutional Controls Registries	½ Mile	3	0
RCRA Large Quantity Generators	Subject Property and Adjoining Properties	0	0
RCRA Small Quantity Generators	Subject Property and Adjoining Properties	2	0

Database	Radius	Plottable	Orphan
RCRA Non Generators	Subject Property and Adjoining Properties	1	0
State/Tribal Registered Storage Tank Sites	Subject Property and Adjoining Properties	1	0
Manifest	Subject Property	1	0
Spill/Release Sites	Subject Property	0	0
Facility Index System(FINDS)	Subject Property	1	0
Emergency Response Notification System	Subject Property	0	0

Database Summary

A complete copy of the database report is attached as an appendix to this report. Those sites noted within the search radius with a closed status from regulators, or not listed with known, documented, or suspected release sites will not be discussed below but can be referred to in the database report. The above sites are not expected to significantly impact the subject property based on the regulatory status listed. In addition, those remaining sites which are expected to be hydraulically downgradient, at a sufficient distance from the subject property, or due to the urban setting and density of the area, will not be discussed below but can be referred to in the database report. These above sites are not expected to significantly impact the subject property based on the above factors and as per ASTM E 1527-05.

The following is a discussion of the database findings:

Subject and Adjoining Properties

The subject property was listed as a FINDS site, a Manifest site, LTANKS, and a CESQG.

The adjoining properties were listed as follows.

- Goodyear, 380 Niagara Street: AST, a CESQG, and a LTANKS
- 146 Virginia Street: RCRA Non-Generator
- 369 Niagara Street: CESQG
- Intersection of Niagara and Virginia Streets: LTANKS

Further information regarding these listings is provided below.

State/Tribal Leaking Registered Storage Tanks

1. Site Name: Niagara at Virginia
   Address: Niagara at Virginia
   Buffalo, New York
   LRST ID No.: 280063/ Spill No 9502447
   Distance: Adjacent property

Direction:	East-southeast
Gradient:	Upgradient
Type of Release:	Tank failure
Type of Product:	PCB oil
Media Impacted:	Soil
Status:	Corrective action taken
Potential for Impact:	Moderate – See below

This facility is the subject property. The regulatory database indicates that an underground storage tank removal operation was conducted at the subject property on May 26, 1995. The regulatory database further indicates that a 500-gallon waste oil tank as well as a 3,000-gallon fuel oil tank had been scheduled to be removed. During the UST removal operations, no visual contamination was observed. However, the results of analytical testing in the tank pit indicated the presence of SVOCs in concentrations that exceeded regulatory standards. After excavating the tank pit again, no visual contamination was found. Additionally, the resampled soils did not indicate contaminant levels that exceeded regulatory guidelines. However, it was noted that sampling was not conducted for VOCs in the second round of sampling. It should be noted that the regulatory database indicated that PCB oil was released at the subject property. However, the regulatory database makes no mention of the sampling and testing for PCB contamination. In any event, the NYSDEC closed the regulatory file on this release incident on September 12, 1995. It should be noted that the NYSDEC awards a "Case Closed" only when contamination has been investigated and/or remediated in accordance with regulatory standards. As such, this release incident represents a historic recognized environmental condition in connection with the subject property. However, Property Solutions recommends that a file review be conducted at the offices of the NYSDEC to evaluate the potential for residual contamination to be present at the subject property as well as to ascertain the locations from which the USTs were removed.

2.

Site Name:	Goodyear
Address:	380 Niagara Street Buffalo, New York
LRST ID No.:	61951/ Spill No. 9806713
Distance:	Adjacent property
Direction:	North
Gradient:	Lateral
Type of Release:	Tank overfill
Type of Product:	Waste oil
Media Impacted:	Not Reported
Status:	Corrective action taken
Potential for Impact:	Low – See below

The regulatory database indicates that a tank overfill was reported at this facility on June 5, 1997. As part of the response action, the used oil UST was removed. After the removal, sampling was conducted to determine the presence of VOCs and SVOCs. The results of the analyses did not indicate the presence of VOCs above the laboratory detection limit. However, SVOCs in excess of regulatory standards were identified. The NYSDEC indicated that additional investigation was

required to delineate the extent of the contamination. A Phase II site characterization was conducted at this facility in October 2000 that included the advancement of six soil borings. Four borings were advanced around the perimeter of the suspected contaminated area, and two soil borings were advanced inside the suspected contaminated area. The two borings inside the suspected contaminated area had slight petroleum odors. The four soil borings surrounding the contaminated area were analyzed for SVOCs. The results of the analyses indicated that all contaminants were below the limit of detection. As such, based upon the investigations conducted, it is unlikely that any contamination originating at this facility has impacted the environmental integrity of the subject property.

Resource Conservation and Recovery Act Generators

The Conditionally Exempt Small Quantity Generator Sites are:

1.	Site Name:	Rite Aid #497
	Address:	350 Niagara Street Buffalo, New York
	Facility ID No.:	NYR000189753
	Distance:	Subject property
	Direction:	N/A
	Gradient:	N/A
	Reported Waste Codes:	D001 (ignitable), D002 (corrosive), D007 (chromium), D009 (mercury), D010 (selenium), D024 (cresol), P001, P075 (nicotine)
	Violations:	No violations found
2.	Site Name:	Goodyear Auto Service Center
	Address:	380 Niagara Street Buffalo, New York
	Facility ID No.:	NYD986982793
	Distance:	Adjacent property
	Direction:	North
	Gradient:	Lateral
	Reported Waste Codes:	None reported
	Violations:	No violations found
3.	Site Name:	Sammy's Collision
	Address:	369 Niagara Street Buffalo, New York
	Facility ID No.:	NYN008019747
	Distance:	Adjacent property
	Direction:	East
	Gradient:	Upgradient
	Reported Waste Codes:	D001, F003 and F005 (spent non-halogenated solvents)

	Violations:	One general resulting in a Written Informal enforcement action

The Non-Generator Site is:

1.	Site Name:	Spaulding Allen P Jr
	Address:	146-148 Virginia Street Buffalo, New York
	Facility ID No.:	NYR000076380
	Distance:	Adjacent property
	Direction:	South
	Gradient:	Lateral
	Reported Waste Codes:	None reported
	Violations:	No violations found

State/Tribal Registered Storage Tanks

1.	Site Name:	Goodyear 1138
	Address:	370-380 Niagara Street Buffalo, New York
	Facility ID No.:	9-601185
	Distance:	Adjacent property
	Direction:	North
	Gradient:	Lateral
	No. of Tanks:	One
	Contents:	Waste oil

Manifest

1.	Site Name:	Rite Aid #497
	Address:	350 Niagara Street Buffalo, New York
	Facility ID No.:	NYR000189753
	Reported Waste Codes:	Not reported
	Violations:	Not reported

FINDS

1.	Site Name:	Rite Aid #497
	Address:	350 Niagara Street Buffalo, New York
	Facility ID No.:	110044920743
	FINDS System Program:	RCRAInfo

4.3.3 Local Lists

The below local types of records were researched or requested from third parties, the Key Site Manager or local regulatory agencies:

- Local Brownfield Lists
- Local Lists of Landfill/Solid Waste Disposal Sites
- Local Lists of Hazardous Waste/Contaminated Sites
- Local Lists of Registered Storage Tanks
- Local Land Records (For AULs)
- Records of Emergency Release Reports
- Records of Contaminated Public Wells

The above information is discussed in Sections 4.3.1, and 4.4.4 and was duplicative of those sections.

4.3.4 Database Proprietary Lists

The subject property and adjoining properties were listed in the EDR proprietary information searched in the EDR database as follows.

Historic Cleaners

1.	Site Name:	Compressed Air Carpet & Rug Cleaning Co Inc.
	Address:	350 Niagara Street Buffalo, New York
	Distance:	Subject property
	Direction:	N/A
	Gradient:	N/A
	Reported Years of Operation:	1925-64

The regulatory database identifies the Compressed Air Carpet & Cleaning Company at the subject property from 1925 through 1964. Additionally, the historic city directories identified the Compressed Air Carpet & Cleaning Company at the subject property from at least 1930 through at least 1961. Cross referencing the Compressed Air Carpet & Cleaning Company with known dry-cleaning operations in the historic city directories did not indicate the presence of dry-cleaning operations associated with the subject property. While it is unlikely that dry-cleaning operations were conducted in conjunction with the Compressed Air Carpet & Cleaning Company, the potential for dry-cleaning operations cannot be precluded. As such, the potential exists for dry-cleaning solvent contamination to be present within the soil and groundwater profiles at the subject property. The potential for dry-cleaning solvent contamination represents a recognized environmental condition in connection with the subject property.

Historic Auto Stations

1.	Site Name:	Montano Angelo Auto Repair
	Address:	369 Niagara Street Buffalo, New York
	Distance:	Adjacent property
	Direction:	North
	Gradient:	Lateral
	Reported Years of Operation:	1930-40
2.	Site Name:	Dollar Auto Lndy Dels Mainline Collision
	Address:	365 Niagara Street Buffalo, New York
	Distance:	Adjacent property
	Direction:	North-northeast
	Gradient:	Lateral
	Reported Years of Operation:	1930-2002
3.	Site Name:	Goodyear Auto Svc Ctr Auto
	Address:	370 Niagara Street Buffalo, New York
	Distance:	Adjacent property
	Direction:	North
	Gradient:	Lateral
	Reported Years of Operation:	1999-2012

4.4 Results of Property History and Land Use Review

4.4.1 User Provided Information and Responsibilities

This section is to describe tasks to be performed by the User that will help identify the possibility of recognized environmental conditions, environmental liens and AULs in connection with the subject property as required by the ASTM standard. These tasks do not require the technical expertise of an environmental professional. Any and all information that may be material to identifying recognized environmental conditions must be provided by the User if available. Per the ASTM standard, the environmental professional shall note in the report whether or not the User has reported to the environmental professional information pursuant to Section 6 of the ASTM standard.

Bank of America (User) is performing the Phase I Environmental Assessment for determining whether to make a loan evidenced by a note secured by the property and not for pre-purchase due diligence.

Since Bank of America has only recently become involved with the subject property, their knowledge of the subject property and environmental conditions is limited to information provided by the mortgage broker, previous investigations provided by the borrower broker, and by the borrower. Therefore, it is not expected that data gaps created by unanswered questions of the User (Bank of America) are significant. It is expected that Bank of America has facilitated interviews and information exchange with those knowledgeable of the property as best as possible.

There is a specific exemption, the so-called "lender liability" exemption, for a person, who without participating in the management of a facility, holds indicia of ownership primarily to protect his or her security interest in the vessel or facility (42 USC 9601(20)(A)(iii)).

In September 1996, Congress passed the Asset, Conservation, Lender Liability, and Deposit Insurance Act [Title II, Subtitle E, Sections 2502-2505 of the 1996 Omnibus Appropriations bill]. Reportedly, under the act, lenders that do not exercise decision making control over the property during the term of the loan will not risk federal liability.

User Questionnaire

The User has chosen not to complete the questionnaire citing a lack of pertinent knowledge of the environmental condition of the property in their role solely as a secured creditor. As Bank of America has no specific knowledge of the property unless otherwise noted and operations, they requested the consultant pursue this information.

A Key Site Manager Questionnaire was submitted to Mr. Luis Martinez (key site manager) to be completed prior to the property visit.

Contact Company	Rite Aid
Contact Name	Mr. Luis Martinez
Contact Title	Assistant Manager
Phone/Fax/Email	(716) 853-3387
Contact Date	November 6, 2013
Request Medium	In Person
Questionnaire completed?	No
Completed by?	Not Applicable
Response Date	Not Applicable
Form of Response	Not Applicable
Was the questionnaire completed and returned prior to the property visit?	No

Summary of information provided in questionnaire:

Mr. Luis Martinez indicated that he was not amenable to completing the Key Site Manager questionnaire. Mr. Martinez further indicated that Rite Aid is only a tenant of the subject property and that any questionnaires should be sent to the Rite Aid corporate office. Mr. Martinez stated that he was instructed only to facilitate the property inspection.

The completed Key Site Manager Questionnaire and correspondence are included in Appendix D - User Correspondence.

As Bank of America did not complete the User Questionnaire, per the ASTM standard, this is considered a data gap; however, the data gap is not considered significant.

Title and Judicial Records

Per ASTM E 1527-05 Section 6.2, the User is required to provide and/or report to the environmental professional any environmental liens or activity and use limitations (AULs) so identified for the subject property. The environmental professional per the ASTM practice is not responsible to undertake a review of recorded land title records and judicial records for environmental liens or activity and use limitations.

No title records or information was provided to Property Solutions by the User.

No title records or information was provided to Property Solutions by the property owner, key site manager, or prospective purchaser.

The User did not request Property Solutions to coordinate with a title company or title professional to undertake a review of Recorded Land Title records and judicial records for environmental liens or AULs.

Therefore, no title records were searched and no information was provided for environmental liens and AULs which is the responsibility of the User. Per the ASTM standard this is considered a data gap.

Environmental Liens or Activity and Use Limitations

Per ASTM E 1527-05 the User is required to provide and/or report to the environmental professional any environmental liens or AULs so identified for the subject property. The environmental professional per the ASTM practice is not responsible to undertake a review of information to identify environmental liens or AULs.

The User did not provide information on environmental liens and AULs. The User is not aware of environmental liens or AULs.

The User is not the owner, operator, or tenant of the subject property.

No information concerning environmental liens and AULs was provided by the key site manager, owner, operator, or tenant of the subject property.

Knowledge of the User

Per the ASTM standard, it is the User's responsibility to communicate to the environmental professional any information that is material to recognized environmental conditions in connection with the subject property based on such specialized knowledge, actual knowledge, experience, or commonly known and reasonably ascertainable information within the local community.

Per the ASTM standard, the User must do so prior to the property visit.

Since Bank of America has only recently become involved with the subject property, their knowledge of the subject property and environmental conditions is limited to information provided by the mortgage broker, previous investigations provided by the borrower or broker, and by the borrower. As Bank of America has no specific knowledge of the property and operations, they requested the consultant pursue this information.

The key site manager and tenant provided no information or response regarding specialized knowledge, actual knowledge, experience, or commonly known and reasonably ascertainable information within the local community concerning recognized environmental conditions at the subject property.

Valuation Reduction for Environmental Issues

Per the ASTM standard, in a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The User should try to identify an explanation for a significantly lower price which does not reasonably reflect fair market value if the property was not contaminated, and make a written record of such explanation. The ASTM standard does not require that a real estate appraisal be obtained in order to ascertain fair market value of the property.

This report was prepared for potential pre-lending purposes and not for a purchase.

Reason for Performing the Phase I Environmental Assessment

Bank of America (User) is performing the Phase I Environmental Assessment for determining whether to make a loan evidenced by a note secured by the property and not for pre-purchase due diligence.

Helpful Documents Provided Prior to Property Visit

Per the ASTM standard, prior to the property visit, the property owner, key site manager (if any is identified), and User (if different from the property owner) shall be asked if they know whether any of the documents below exist and if so, whether copies can and will be provided within reasonable time and cost constraints including partial information. This information is to

be provided prior to or at the beginning of the property visit.

Documents	User		Key Site Manager		Property Owner	
	Exist	Provided	Exist	Provided	Exist	Provided
ESA reports	No Response	N/A	No	N/A	No Response	N/A
Environmental compliance audit reports	No Response	N/A	No	N/A	No Response	N/A
Environmental permits	No Response	N/A	No	N/A	No Response	N/A
UST/AST registrations	No Response	N/A	No	N/A	No Response	N/A
Underground Injection permits	No Response	N/A	No	N/A	No Response	N/A
MSDSs	No Response	N/A	No	N/A	No Response	N/A
Community Right-to-Know plan	No Response	N/A	No	N/A	No Response	N/A
Safety plans	No Response	N/A	No	N/A	No Response	N/A
SPCC plans	No Response	N/A	No	N/A	No Response	N/A
Emergency preparedness and prevention plans	No Response	N/A	No	N/A	No Response	N/A
Hydrogeologic reports	No Response	N/A	No	N/A	No Response	N/A
Government agency correspondence and violations	No Response	N/A	No	N/A	No Response	N/A
Hazardous waste generator notices or reports	No Response	N/A	No	N/A	No Response	N/A
Geotechnical studies	No Response	N/A	No	N/A	No Response	N/A
Risk assessments	No Response	N/A	No	N/A	No Response	N/A
Recorded AULs	No Response	N/A	No	N/A	No Response	N/A
Environmental liens	No Response	N/A	No	N/A	No Response	N/A
Other	No Response	N/A	No	N/A	No Response	N/A

No response to our request for the above helpful documents was provided by the User or Property Owner. This is considered a data gap.

Proceedings Involving the Property

Per the ASTM standard, prior to the site visit, the User (if different from the property owner), Key site manager (if any is identified), and property owner shall be asked whether they know of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative

proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

The key site manager indicated based on a response dated November 6, 2013 via interview that they have no knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

User Identified Personnel

As per ASTM E1527-05, Property Solutions requested information for current and past property personnel. The information and contacts below were identified and/or provided by the User/Client.

	Name	Company
User	Ms. Linda Gooden	Bank of America, NA
Key Site Manager	Mr. Luis Martinez	Rite Aid

4.4.2 Historical Property Information

The history of the subject property was researched to evaluate potential historical uses of the subject property of environmental concern.

The below standard historical sources were researched:

Standard Historical Source Summary

Historical Source	Source Checked?	Source	Earliest Date Obtained
Aerial Photos	Yes	EDR/Terra Server	1938
Fire Insurance Maps	Yes	EDR	1889
Property Tax File	Yes	Buffalo Tax Assessor	1995
Recorded Land Title Records	No	N/A	N/A
USGS 7.5 Minute Topo Maps	Yes	USGS	1965
Local Street Directories (city directories)	Yes	Buffalo and Erie County Public Library	1930
Building Department Records	Yes	Buffalo Building Department	1903
Zoning/Land Use Records	Yes	Buffalo Building Department	1940
Other Historical Sources	No	N/A	N/A

Historical Source	Source Checked?	Source	Earliest Date Obtained
Miscellaneous Maps/Plans	No	N/A	N/A
Newspapers	No	N/A	N/A
Records	No	N/A	N/A
Other Directories/ Phone books	No	N/A	N/A
Prior Use Interviews	Yes	Property Contact	1997
Previous Reports	No	N/A	N/A
Chain of Title	No	N/A	N/A
AULs and Environmental Liens	No	N/A	N/A

Historical Use Summary

Decade	Property Use	Standard Source/Source
1880	Carpet Cleaning, carpenter shop, paint shop, store	Fire insurance maps/EDR (1889)
1890	Paint shop, carpenter shop, Stiles Carpet Cleaning Works	Fire insurance maps/EDR (1899)
1900	Not Available	Not Applicable
1910	Not Available	Not Applicable
1920	Niagara Welding Co., Compressed Air Carpet & Rug Cleaning Co., National Mirror Co.	Fire insurance maps/EDR (1925)
1930	Niagara Welding Co., Compressed Air Carpet & Rug Cleaning Co., Filling Station, Dental Office	City Directories
1940	Niagara Welding Co., Compressed Air Carpet & Rug Cleaning Co., Filling Station, Used Car Sales, Dental Office	City Directories
1950	Compressed Air Carpet & Rug Cleaning Co, Filling station, Electro Plating Shop, Filling Station, Dental Office	Fire insurance maps/EDR (1951)
1960	Rosemary Candy Co., Compressed Air Carpet & Rug Cleaning Co., Filling Station, Taxi Cab Co., Dental Office	City Directories
1970	Rosemary Candy Co., Compressed Air Carpet & Rug Cleaning Co., Filling Station, Taxi Cab Co., Dental Office	City Directories
1980	Filing station, candy manufacturer, packing and storage	Fire insurance maps/EDR (1981 and 1986)
1990	Auto Repair Garage	City Directories
2000	Retail store and pharmacy	City Directories
2005	Retail store and pharmacy	City Directories

Copies of the aerial photographs are included in Appendix E and copies of the historic maps are included in Appendix F.

Based on a review of the above standard historical sources, no information or concerns were identified on adjoining properties.

However, based upon a review of the standard historical sources, recognized environmental conditions were identified for the subject property. Although the subject property is currently identified as 350 Niagara Street, the subject property was historically addressed from 338 to 368 Niagara Street. A review of the historic city directories indicate that the portion of the subject property located at 340 Niagara Street was utilized as a filling station from at least 1936 through at least 1977. Permit information obtained from the City of Buffalo Building Department and the Buffalo Fire Department indicates the installation and removal of several underground storage tanks at 340 Niagara Street. Based upon a review of the permits from the Buffalo Building Department and the Buffalo Fire Department, the potential exists for abandoned USTs to be present at 340 Niagara Street. The potential for abandoned USTs represents a recognized environmental condition in connection with the subject property.

Additionally, the portion of the subject property addressed as 354 Niagara Street was utilized as an auto repair facility in 1930, and was later a used car dealership from at least 1946 through at least 1951. The property addressed as 360 Niagara Street was then utilized as a garage for the Madison Taxi Company and later for the Van Dyke Cab Company. Permit information obtained from the City of Buffalo Building Department and the Buffalo Fire Department indicates the installation and removal of several USTs at 354 and 360 Niagara Street. Based upon a review of the permits from the Buffalo Building Department and the Buffalo Fire Department, the potential exists for abandoned USTs to be present at 354 and 360 Niagara Street. The potential for abandoned USTs represents a recognized environmental condition in connection with the subject property.

The historic city directories indicate that a filling station was present at 362 Niagara Street. However, a review of the available permits from the Buffalo Building Department and the Buffalo Fire Department did not indicate the installation and/or removal of USTs at this address. However, auto repair operations were conducted at 362 Niagara Street from at least 1936 through at least 1956. The use of the portion of the subject property addressed at 362 Niagara Street as a filling station and auto repair operation from at least 1930 through at least 1961 represents a recognized environmental condition in connection with the subject property.

Additionally, during the course of this assessment there was no readily available documentation that would demonstrate the structural integrity of the removed USTs or the environmental integrity of the surrounding subsurface soil and groundwater at the portions of the subject property that were historically utilized for filling station, auto repair, or taxicab maintenance operations. As such, the potential exists for petroleum contamination to be present within the subsurface soil and groundwater profiles to be present at the subject property. The potential for petroleum contamination represents a recognized environmental condition in connection with the subject property.

A portion of the subject property was identified in the regulatory database as an EDR US Historic Cleaners facility. The regulatory database identifies the Compressed Air Carpet & Cleaning Company at the subject property from 1925 through 1964. Additionally, the historic city directories identified the Compressed Air Carpet & Cleaning Company at the subject

property from at least 1930 through at least 1961. Cross referencing the Compressed Air Carpet & Cleaning Company with known dry-cleaning operations in the historic city directories did not indicate the presence of dry-cleaning operations associated with the subject property. While it is unlikely that dry-cleaning operations were conducted in conjunction with the Compressed Air Carpet & Cleaning Company, the potential for dry-cleaning operations cannot be precluded. As such, the potential exists for dry-cleaning solvent contamination to be present within the soil and groundwater profiles at the subject property. The potential for dry-cleaning solvent contamination represents a recognized environmental condition in connection with the subject property.

Per ASTM E 1527-05, "8.3.2 Uses of the Property—All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources in 8.3.4.1 through 8.3.4.8 as are necessary and both reasonably ascertainable and likely to be useful (as described under Data Failure in 8.3.2.3). . . . Such confirmation may come from one or more of the standard historical sources specified in 8.3.4.1 through 8.3.4.8, or it may come from other historical sources (such as someone with personal knowledge of the property; see 8.3.4.9). However, checking other historical sources (see 8.3.4.9) is not required. For purposes of 8.3.2, the term "developed use" includes agricultural uses and placement of fill dirt. The report shall describe all identified uses, justify the earliest date identified (for example, records showed no development of the property prior to the specific date), and explain the reason for any gaps in the history of use (for example, data failure)."

Per ASTM E 1527-05, "8.3.2.3 Data Failure—the historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data Failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Data failure is not uncommon in trying to identify the use of the property at five year intervals back to first use or 1940 (whichever is earlier). Notwithstanding a data failure, standard historical sources may be excluded if: (1) the source is not reasonably ascertainable, or (2) if past experience indicates that the source is not likely to be sufficiently useful, accurate, or complete in terms of satisfying the objectives. Other historical sources specified in 8.3.4.9 may be used to satisfy the objectives, but are not required to comply with this practice. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion. If the data failure represents a significant data gap, the report shall comment on the impact of the data gap on the ability of the environmental professional to identify recognized environmental conditions."

Based on the above information and standard historical sources searched, data failure has occurred. However, historical use information is deemed sufficient to comply with the ASTM Standard.

Standard historical information is included in the appendices of this report.

4.4.3 Interviews

The objective of interviews is to obtain information indicating Recognized Environmental Conditions in connection with the subject property as well as AULs. Property Solutions interviewed or made good faith efforts to interview the following:

Represents	Interviewed	Name and title	Comments
Current Property Owner	No	N/A	User did not provide contact information nor did they coordinate or facilitate the interview.
Previous Property Owner	No	N/A	User did not provide contact information nor did they coordinate or facilitate the interview.
Current Property Owner Representative	No	N/A	User did not provide contact information nor did they coordinate or facilitate the interview.
Previous Property Owner Representative	No	N/A	User did not provide contact information nor did they coordinate or facilitate the interview.
Key Site Manager	Yes	Mr. Luis Martinez, Manager, Rite Aid	No concerns identified during the interview.
Previous Key Site Manager	No	N/A	User did not provide contact information nor did they coordinate or facilitate the interview.
Current Property Occupants	Yes	Mr. Luis Martinez, Manager, Rite Aid	No concerns identified during the interview.
Previous Property Occupants	No	N/A	User did not provide contact information nor did they coordinate or facilitate the interview.
Current Property Operator	Yes	Mr. Luis Martinez, Manager, Rite Aid	No concerns identified during the interview.
Previous Property Operator	No	N/A	User did not provide contact information nor did they coordinate or facilitate the interview.
Neighboring Property Owner	No	N/A	Subject property is not considered an abandoned property where there is evidence of potential unauthorized uses of the abandoned property or evidence of uncontrolled access to the abandoned property, therefore no interview with the neighboring property owners was performed.
Neighboring Property Occupants	No	N/A	Subject property is not considered an abandoned property where there is evidence of potential unauthorized uses of the abandoned property or evidence of uncontrolled access to the abandoned property, therefore no interview with the neighboring property owners was performed.

Current Key Site Manager

Name	Mr. Luis Martinez					
Title	Manager					
Company name	Rite Aid					
Phone number	(716) 853-3111					
Years associated with subject property	16					
Information provided	In Person	X	Phone		Written	
Information request date	November 6, 2013					
Medium information requested	In Person	X	Phone		Written	
Property visit date	November 6, 2013					
Response date	November 6, 2013					
Follow up date	Not Applicable					
Follow up medium	In Person	X	Phone		Written	
Knows of RECs	Yes			No	X	
Knows of AULs	Yes			No	X	
Knows of environmental concerns	Yes			No	X	
Knows of potential environmental concerns	Yes			No	X	
Knows of off-property concerns	Yes			No	X	

Comments:

Mr. Luis Martinez indicated the subject property was developed as a pharmacy and retail store in 1995. Mr. Martinez further indicated that he is unaware of the prior uses of the subject property. Mr. Martinez stated that he has been associated with the subject property since 1997.

4.4.4 Property Specific Records

During the course of the assessment of the subject property, Property Solutions contacted the following local, county, and state agencies and companies via phone, letter, or in person.

Department of Health

Agency name	Erie County Department of Health
Contact name	Not provided
Contact title	Not provided
Address	503 Kensington Avenue
City	Buffalo
State	New York
Contact date	November 5, 2013
Request medium	Fax 716-961-6880
Response date	Pending
Form of response	Not Applicable

Response:

A response has not been received at the time of this report.

Fire Department

Agency name	Buffalo Fire Prevention Bureau
Contact name	Ms. Linda Kelly
Contact title	Department Secretary
Address	65 Niagara Square
City	Buffalo
State	New York
Contact date	November 5, 2013
Request medium	Letter
Response date	November 8, 2013
Form of response	File Review

On November 8, 2013, Property Solution visited the City of Buffalo Fire Prevention Bureau for file information with respect to the subject property. Records obtained from the City of Buffalo Fire Prevention Bureau indicate the following:

- 340 Niagara Street – September 21, 1955 – The Texas Co. – Install three 3,000-gallon tanks for gasoline and one 1,000-gallon tank for fuel oil storage. (N.B. - Two leaking 3,000-gallon tanks were removed on March 23, 1966).
- 340 Niagara Street – September 30, 1955 – The Texas Co. – Install one 4,000-gallon tank for gasoline storage, two 3,000-gallon tanks for gasoline storage, and one 1,000-gallon tank for fuel oil storage.
- 340 Niagara Street – March 24, 1966 – The Texas Co. – Replace two 3,000-gallon leaking gasoline storage tanks.
- 340 Niagara Street – December 4, 1970 – Texaco Inc. – Install one 3,000-gallon tank for gasoline storage.
- 340 Niagara Street – December 13, 1977 – Texaco Inc. – Install one 8,000-gallon fiberglass tank for gasoline storage.
- 340 Niagara Street – February 24, 1981 – The Texas Co. – Remove one 8,000-gallon tank, three 3,000-gallon tanks, and one 4,000-gallon tank.
- 354 Niagara Street – March 30, 1958 – Avis Car Rental – Install one 3,000-gallon tank for gasoline storage.
- 360 Niagara Street – April 8, 1963 – Madison Cab Co. – Install one 4,000-gallon gasoline tank, one 1,500-gallon motor oil tank, and one 550-gallon waste oil tank. (N.B. – One 3,000-gallon gasoline storage tank was noted as previously installed).
- 360 Niagara Street – September 1971 – Madison Cab Co. – Fire Prevention Inspection noted the presence of a 3,000-gallon and a 4,000-gallon gasoline tank, as well as one 550-gallon waste oil tank.
- 360 Niagara Street – November 1987 – 4430 North Bailey Inc. – Removal of one 1,500-gallon, one 3,000-gallon, one 4,000-gallon, as well as one 550-gallon tank. (N.B. Correspondence attached)

Planning/Zoning Department

Agency name	Buffalo Strategic Planning Department
Contact name	Not provided
Contact title	Not provided
Address	901 City Hall
City	Buffalo
State	New York
Contact date	November 5, 2013
Request medium	Letter
Response date	Pending
Form of response	Not Applicable

Response:

A response has not been received at the time of this report.

Building Department/Inspection Department

Agency name	City of Buffalo Economic Development, Permit & Inspection Services
Contact name	Not provided
Contact title	Desk Clerk
Address	65 Niagara Square
City	Buffalo
State	New York
Contact date	November 5, 2013
Request medium	Fax 716-851-5043
Response date	November 8, 2013
Form of response	File Review

Response:

On November 8, 2013, Property Solution visited the City of Buffalo Economic Development, Permit & Inspection Services for file information with respect to the subject property. Records obtained from the City of Buffalo Economic Development, Permit & Inspection Services indicate the following:

- 338 Niagara Street – July 12, 1917 – Wisner Realty Co. – Construct four-story stores and lofts.
- 338 Niagara Street – July 7, 1921 – Caputo Macaroni Co. – Alter interior of three-story factory.
- 338 Niagara Street – May 8, 1930 – M&T Trust Co. – Install 4,400-gallon tank for gasoline storage.
- 338-346 Niagara Street – January 20, 1931 – Goodyear-Wende Corp. – Place steel tanks for gasoline storage – 4,400 gallons.
- 340 Niagara Street – March 24, 1931 – Goodyear-Wende Corp. – Construct a brick gasoline station.

- 340 Niagara Street – August 14, 1947 – Rand Building Co. – Place one 2,000-gallon tank for gasoline storage.
- 340 Niagara Street – April 21, 1950 – The Texas Co. – Place one 2,000-gallon tank for gasoline storage.
- 340 Niagara Street – September 30, 1955 – The Texas Co. – Place and use one 4,000-gallon tank, two 3,000-gallon tank, and one 1,000-gallon tank for gasoline and fuel oil storage.
- 340 Niagara Street – October 6, 1955 – The Texas Co. – Construct and use a masonry filling station.
- 340 Niagara Street – January 6, 1965 – The Texas Co. – Place and use one 4,000-gallon gasoline tank.
- 340 Niagara Street – April 27, 1966 – The Texas Co. – Place and use one 4,000-gallon tank and two 3,000-gallon tanks.
- 340 Niagara Street – December 18, 1970 – The Texas Co. – Place and use one 4,000-gallon gasoline tank.
- 338-340 Niagara Street – December 13, 1977 – Texaco Inc. – Place and use 8,000-gallon fuel tank.
- 338-340 Niagara Street – August 4, 1983 – Joseph & Angeline Montana – Convert and use one-story masonry building to be used for hand car wash, car repairs, and detailing. (converted from existing gas station – gas tanks removed).
- 350 Niagara Street – July 7, 1896 - J. Trescuselli – Build two-story store and office.
- 350 Niagara Street – February 18, 1948 – Richard White – Repair fire damage at brick and frame rug cleaning plant.
- 352 Niagara Street – April 26, 1916 – W.D. Jones – Enlarge 1st floor shop.
- 352 Niagara Street – July 5, 1926 – Mrs. Loube – Brick addition to store and dwelling.
- 352 Niagara Street – June 17, 1935 – W.D. Jones – Enlarge brick welding shop.
- 352 Niagara Street – March 13, 1951 – Montana Motors – Repair fire damage – brick plating works.
- 352-356 Niagara Street – April 13, 1951 – Montana Motors Inc. – Enlarge masonry storage and loading dock.
- 354 Niagara Street – April 22, 1940 – Albert Sugnet – Install gasoline tanks 4,000 gallons.
- 354 Niagara Street – March 11, 1958 – Van Dyke Properties – Place and use 3,000-gallon gasoline tank and pump.
- 356 Niagara Street – February 25, 1903 – George Yoetz – Construct two-story brick stable.
- 356 Niagara Street – Not Dated – William Hughes – Enclose one-story brick building for public garage.
- 358 Niagara Street – September 30, 1912 – George Goetz – Repair fire damage and put 3rd store on rear of brick building.
- 360 Niagara Street – June 6, 1950 – J.C. Montana – Demolish to grade – brick two family dwelling.
- 360 Niagara Street – October 24, 1962 – Frank A. Buscher Inc. – No description provided.

- 360 Niagara Street – April 15, 1963 – Madison Cab Co. – Install one 4,000-gallon gasoline tank, one 1,500-gallon motor oil tank, and one 550-gallon waste oil tank.
- 364 Niagara Street – November 12, 1924 – Joseph Tronolone – Construct two-story brick store, one family dwelling and office.
- 364-366 Niagara Street – April 8, 1971 – Madison Taxi of Buffalo – Convert to parking area for taxi cabs.

Tax Assessor/Tax Department

Agency name	Erie County Real Property
Contact name	Not provided
Contact title	Desk Clerk
Address	65 Niagara Square
City	Buffalo
State	New York
Contact date	November 8, 2013
Request medium	In Person
Response date	November 8, 2013
Form of response	File Review

Response:

Property Solutions visited the Buffalo Tax Assessor's Office on November 8, 2013. The Buffalo Tax Assessor receptionist provided Property Solutions with a copy of a tax map for the subject property and the surrounding area and a copy of the tax information card for the subject property.

Based on Property Solutions review of the tax map and tax information cards, the subject property is identified as 110.36-5.11; the subject property consists of an irregular-shaped, 1.27-acre parcel of land improved with one commercial building constructed in 1995; the gross area of the subject buildings is approximately 11,067 square feet; and the subject property was acquired by the subject property owner, WEC 97A-7 Investment Trust, on April 10, 1997. Previous ownership information was not reasonable ascertainable.

A response has not been received at the time of this report.

Electrical Utility

Agency name	National Grid
Contact name	Not provided
Contact title	FOIA Officer
Address	535 Washington Street
City	Buffalo
State	New York
Contact date	November 5, 2013
Request medium	Letter
Response date	Pending

Form of response	Not Applicable

Response:

A response has not been received at the time of this report.

Sewer Department/Provider

Agency name	Buffalo Sewer Authority
Contact name	Not provided
Contact title	FOIA Officer
Address	281 Exchange Street
City	Buffalo
State	New York
Contact date	November 5, 2013
Request medium	Letter
Response date	Pending
Form of response	Not Applicable

Response:

A response has not been received at the time of this report.

Water Department/Supplier

Agency name	Buffalo Water Authority
Contact name	Not provided
Contact title	FOIA Officer
Address	281 Exchange Street
City	Buffalo
State	New York
Contact date	November 5, 2013
Request medium	Letter
Response date	Pending
Form of response	Not Applicable

Response:

A response has not been received at the time of this report.

Others

No other agencies or individuals were contacted.

State Environmental Agency

Agency name	NYSDEC
Contact name	Unknown
Contact title	Unknown
Address	625 Broadway
City	Albany
State	New York
Contact date	November 5, 2013
Request medium	foil@gw.dec.state.ny.us
Response date	November 5, 2013
Form of response	Not Applicable

Response:

A response has not been received at the time of this report.

State Online Database Information/GIS

Agency name	NYSDEC
Contact name	N/A
Contact title	N/A
Address	N/A
City	N/A
State	N/A
Contact date	November 11, 2013
Request medium	Online
Response date	November 11, 2013
Form of response	Online

Response:

Property Solutions visited the NYSDEC Web Site on November 5, 2013. The subject property was not listed on the NYSDEC Web Site databases.

At the time this report was prepared, some of the above local, county, and state agencies and companies had not responded to our information request as indicated.

According to ASTM E 1527-05, Section 8.1.4.2, information that has been requested must be reasonably ascertainable as part of performing the Phase I Environmental Assessment. Information that is reasonably ascertainable per ASTM means that information will be provided by the source within 20 calendar days of receiving a written, telephone, or in-person request.

Copies of the letters and records of communication are included in Appendix I.

4.5 Synopsis of Previous Environmental Investigations and Plans

Property Solutions did not receive and is not aware of previous environmental reports or plans pertaining to the subject property.

4.6 Asbestos-Containing Materials

Based on the date of construction (1995), review of available building information, and observations made during the property visit, ACMs are not expected to have been used during construction of the subject building.

Based upon the above information, no further action is warranted at this time.

4.7 Radon

The subject property is located in Zone 1 (high potential) per the EPA's Map of Radon Zones. According to the New York State Department of Health Basement Screening Data by County, August 1996, 118 canisters were placed at locations in Buffalo, New York. The mean value was 5.67 picoCuries per Liter (pCi/L). The USEPA action level is 4.0 pCi/L.

The USEPA states in its guidance documents entitled A Citizen's Guide to Radon (May 1992) and Home Buyer's and Seller's Guide to Radon (March 1993) that if radon results are higher than the action level of 4.0 pCi/L, a follow-up, long-term test or a second short-term test should be conducted. For a better understanding of the year-round average radon level, the USEPA recommends long-term, follow-up testing. The USEPA-recommended action level for radon is 4.0 picoCuries per liter (pCi/L).

However, based upon the fact the subject property is used for commercial purposes, and in accordance with the Bank of America, NA's CMBS Scope of Work, radon sampling was not conducted.

4.8 Lead Based Paint

Based on the date of construction of the subject building (1995), it is unlikely that lead-based paints (LBPs) were used during building construction. As such, LBPs are not anticipated a significant environmental concern.

4.9 Lead in Drinking Water

Drinking water for the subject property is provided by City of Buffalo. The City of Buffalo was required to perform system-wide lead screening of their water system starting in 1992, under the USEPA "Lead and Copper Regulations" (Federal Register Volume 56, No. 26460). These regulations, promulgated in June 1991, require public water systems to perform screening and provide for public notification and corrective action to reduce the lead hazards present in the water system.

According to a review of Buffalo Water Authority's 2012 Supplement for Calendar Year 2011 Annual Water Quality Report the Buffalo Water Authority's public water supply has met the 90th percentile for the lead action level of 15 parts per billion (ppb), and is currently in compliance with the USEPA's Lead and Copper Regulations.

4.10 Mold/Water Intrusion

During the course of the Phase I Environmental Assessment property visit, Property Solutions performed limited observations for obvious signs of moisture, water intrusion, and potential mold at the subject property. This was performed for overview purposes only and is not a mold assessment or inspection for regulatory submittal purposes. Additional areas may exist in areas not observed or in concealed locations (behind walls and above ceiling tiles, etc.). This was a limited visual review during a Phase I Environmental Assessment property visit of easily accessible areas for obvious signs of water intrusion and potential mold. An engineering assessment and property maintenance personnel should be consulted to verify water intrusion due to engineering concerns and deficiencies and addressed as appropriate.

Molds produce tiny spores to reproduce, which waft through the indoor and outdoor air continually. When mold spores land on a damp spot indoors, they may begin growing and digesting whatever they are growing on in order to survive. There are molds that can grow on wood, paper, carpet, and foods. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or un-addressed. There is no practical way to eliminate all molds and mold spores in the indoor environment; the way to control indoor mold growth is to control moisture. In addition, mold growth may be a problem after flooding.

Standards or Threshold Limit Values (TLVs) for airborne concentrations of mold, or mold spores, have not been set. Currently, there are no USEPA regulations or standards for airborne mold contaminants. Currently there are no New York State or New York City regulations for evaluating potential health effects of fungal contamination and remediation.

Mr. Luis Martinez was unaware of past water damage and/or historic leaks.

No obvious visual evidence of mold, water intrusion, water damage, or standing water was observed in the interior portions of the subject building accessed by Property Solutions during the property visit. No musty odors indicative of a moisture problem or porous materials such as carpets and insulation in damp niches were observed during the property visit.

No botanical materials such as bark chips or potted plants in moist locations such as an atrium were observed during the property visit. No indoor water features such as fountains, indoor waterfalls, or indoor swimming pools were observed in the subject building. Mr. Martinez was unaware of reported odor complaints, allergic reactions, or other symptoms possibly associated with mold growth. No problems evident in the building envelope or problematic conditions surrounding the air intake were observed. No operatives conducive to bioaerosol generation

such as animal confinement operations, agricultural activities, or wetlands were observed on the subject property or adjacent properties. This limited visual review was conducted for overview purposes only; mold may exist in concealed locations (behind walls, wallpaper, and ceilings, etc.). Mr. Martinez was unaware of mold, water intrusion, water damage, standing water, or historic floods at the subject property.

5.0 CONCLUSIONS

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of Rite Aid located at 350 Niagara Street in Buffalo, Erie County, New York 14201. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property except for the following:

1. A portion of the subject property was identified in the regulatory database as an EDR US Historic Cleaners facility. The regulatory database identifies the Compressed Air Carpet & Cleaning Company at the subject property from 1925 through 1964. Additionally, the historic city directories identified the Compressed Air Carpet & Cleaning Company at the subject property from at least 1930 through at least 1961. Cross referencing the Compressed Air Carpet & Cleaning Company with known dry-cleaning operations in the historic city directories did not indicate the presence of dry-cleaning operations associated with the subject property. While it is unlikely that dry-cleaning operations were conducted in conjunction with the Compressed Air Carpet & Cleaning Company, the potential for dry-cleaning operations cannot be precluded. As such, the potential exists for dry-cleaning solvent contamination to be present within the soil and groundwater profiles at the subject property. The potential for dry-cleaning solvent contamination represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for dry-cleaning solvent contamination to be present within the subsurface soil and groundwater profiles at the subject property.

2. Based upon a review of the available records obtained from the City of Buffalo Building Department as well as the City of Buffalo Fire Prevention Bureau, Property Solutions is of the opinion that abandoned USTs are present at the subject property. The potential presence of abandoned USTs at the subject property represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation including ground-penetrating radar be performed to evaluate the potential for abandoned USTs to be present at the subject property.

3. During the course of this assessment there was no readily available documentation that would demonstrate the structural integrity of the removed USTs or the environmental integrity of the surrounding subsurface soil and groundwater at the portions of the subject property that were utilized for filling station, auto repair, or taxicab maintenance

operations. As such, the potential exists for petroleum contamination to be present within the subsurface soil and groundwater profiles to be present at the subject property. The potential for petroleum contamination represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that any previously conducted subsurface investigation and/or tank closure reports be submitted to Property Solutions for review. Further actions and/or recommendations are contingent upon the results of this review. Should the subsurface investigations and/or tank closure reports not be available, Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for petroleum contamination to be present within the soil and groundwater profiles at the subject property.

4. The historic city directories indicate that a filling station was present at 362 Niagara Street. However, a review of the available permits from the Buffalo Building Department and the Buffalo Fire Department did not indicate the installation and/or removal of USTs. However, auto repair operations were conducted at 362 Niagara Street from at least 1936 through at least 1956. The use of the portion of the subject property addressed at 362 Niagara Street as a filling station and auto repair operation from at least 1930 through at least 1961 represents a recognized environmental condition in connection with the subject property. Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for petroleum and/or hazardous materials contamination be present at the subject property resulting from the historic filling station and auto repair operations conducted at the portion of the subject property addressed as 362 Niagara Street.

The following historical recognized environmental condition was identified at the subject property based on the findings provided in this report:

5. The subject property was identified on the LTANKS database. The regulatory database indicates that an UST removal operation was conducted at the subject property on May 26, 1995. The regulatory database further indicates that a 500-gallon waste oil tank as well as a 3,000-gallon fuel oil tank had been scheduled to be removed. During the tank removal operations, no visual contamination was observed. However, the results of analytical testing in the tank pit indicated the presence of SVOCs in concentrations that exceeded regulatory standards. After excavating the tank pit again, no visual contamination was found. Additionally, the resampled soils did not indicate contaminant levels that exceeded regulatory guidelines. However, it was noted that sampling was not conducted for VOCs in the second round of sampling. It should be noted that the regulatory database indicated that PCB oil was released at the subject property. However, the regulatory database makes no mention of the sampling and testing for PCB contamination. In any event, the NYSDEC closed the regulatory file on this release incident on September 12, 1995. It should be noted that the NYSDEC awards a "Case Closed" only when contamination has been investigated and/or remediated in accordance with regulatory standards. As such, this release incident represents a historic recognized environmental condition in connection with the subject property. However, Property Solutions recommends that a file review be conducted at the offices of the NYSDEC to

evaluate the potential for residual contamination to be present at the subject property as well as to ascertain the locations from which the USTs were removed.

6.0 RECOMMENDATIONS AND OPINIONS OF PROBABLE COST

Based upon the findings and conclusions contained in this report, Property Solutions recommends the following:

1. Based on historical utilization as a filling station, auto repair shop, a carpet cleaning operation, a paint shop, carpenter shop, welding company, dental office, electro plating shop, and a taxicab company. Property Solutions recommends that a limited subsurface investigation at the subject property to determine whether historic operations had impacted the environmental condition of the subject property.

   An opinion of probable cost to conduct a subsurface investigation is $15,000-$20,000.

   Property Solutions recommends that any previously conducted subsurface investigation and/or tank closure reports be submitted to Property Solutions for review. Further actions and/or recommendations are contingent upon the results of this review. Should the subsurface investigations and/or tank closure reports not be available, Property Solutions recommends that a limited subsurface investigation be performed to evaluate the potential for petroleum contamination to be present within the soil and groundwater profiles at the subject property.

2. Property Solutions recommends that a file review be conducted at the offices of the NYSDCE to evaluate the potential for residual contamination to be present at the subject property as well as to ascertain the locations from which the USTs were removed.

   An opinion of probable cost to perform a file review is $1,000.

7.0 LIMITATIONS

The conclusions and presented above are based upon the agreed upon scope of work outlined in the above report. Consultant makes no guarantees as to the accuracy or completeness of information obtained from others. It is possible that information exists beyond the scope of this investigation. Additional information which was not available to Consultant at the time of writing the Report may result in a modification of the conclusions and presented. The Services performed by Consultant have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. This report is not a legal opinion, but may under certain circumstances be prepared at the direction of counsel, may be in anticipation of litigation, and may be classified as an attorney client communication or as an attorney work product.

8.0 REFERENCES

8.1 Information Sources

1. United States Geological Survey's 7.5-minute series topographic quadrangle map of Buffalo NW, New York.
2. United States Department of Agriculture, Soil Conservation Services' Soil Survey of Erie County, New York.
3. Geologic Map of New York produced by the State University of New York.
4. Water Quality Report dated 2011 produced by the Erie County Water Authority.
5. Map of Radon Zones by the USEPA.
6. United States Department of the Interior, National Wetland Inventory Map for Buffalo NW, New York.
7. Aerial photographs provided by Environmental Data Resources, Inc.
8. Fire insurance maps, provided by Environmental Data Resources, Inc.
9. The EDR Radius Map with GeoCheck, produced by Environmental Data Resources, Inc.
10. Envirofacts Data Warehouse, produced by USEPA.
11. Record of Conversation with Mr. Luis Martinez, Manager, Rite Aid.
12. Information Request Letter to National Grid.
13. Freedom of Information Act filed with the Erie County Department of Health.
14. Freedom of Information Act filed with the Buffalo Water Authority.
15. Freedom of Information Act filed with the Buffalo Sewer Authority.
16. Freedom of Information Act filed with the City of Buffalo Economic Development, Permit & Inspection Services.
17. Freedom of Information Act filed with the City of Buffalo Fire Prevention Bureau.
18. Freedom of Information Act filed with the NYSDEC.

8.2 Definitions

Abandoned property – property that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the property.

Activity and use limitations – Legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or ground water on the property.[4]

[4] The term *AUL* is taken from the ASTM Standard Guide E 2091 to include both legal (that is, institutional) and physical (that is, engineering) controls within its scope. Other agencies, organizations, and jurisdictions may define or utilize these terms differently (for example, EPA and California do not

include physical controls within their definitions of "*institutional controls*." Department of Defense and International County/City Management Association use "Land Use Controls." The term "land use restrictions" is used but not defined in the *Brownfields Amendments*).

Actual knowledge – the knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

Actual Knowledge Exception – If the user or environmental professional(s) conducting an environmental site assessment has actual knowledge that the information being used from a prior environmental site assessment is not accurate or if it is obvious, based on other information obtained by means of the environmental site assessment or known to the person conducting the environmental site assessment, that the information being used is not accurate, such information from a prior environmental site assessment may not be used.

Adjoining properties – any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

All appropriate inquiry – that inquiry constituting "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in CERCLA, 42 U.S.C §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of threshold criteria for satisfying the LLPs to CERCLA liability (42 U.S.C §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense. See ASTM E 1527-05, Appendix X1.

Bona fide prospective purchaser liability protection – (42 U.S.C. §9607(r))—a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made "all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices." Knowledge of contamination resulting from all appropriate inquiry would not generally preclude this liability protection. A person must make all appropriate inquiry on or before the date of purchase. The facility must have been purchased after January 11, 2002. See ASTM E 1527-05, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Business environmental risk – a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified in ASTM E 1527-05, Section 13.

Comparison with Subsequent Inquiry – It should not be concluded or assumed that an inquiry was not all appropriate inquiry merely because the inquiry did not identify recognized environmental conditions in connection with a property. Environmental site assessments must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent environmental site assessments should not

be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) – the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Construction debris – concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

Contiguous property owner liability protection – (42 U.S.C. §9607(q))—a person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted all appropriate inquiry at the time of acquisition of the property and did not know or have reason to know that the property was or could be contaminated by a release or threatened release from the contiguous property. The all appropriate inquiry must not result in knowledge of contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the contiguous property owner liability protection. See ASTM E 1527-05, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Continued Viability of Environmental Site Assessment – Subject to ASTM E 1527-05, Section 4.8, an environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition[6] of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid.[7] If within this period the assessment will be used by a different user than the user for whom the assessment was originally prepared, the subsequent user must also satisfy the User's Responsibilities in ASTM E 1527-05, Section 6. Subject to Section 4.8 and the User's Responsibilities set forth in ASTM E 1527-05, Section 6, an environmental site assessment meeting or exceeding this practice and for which the information was collected or updated within one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction may be used provided that the following components of the inquiries were conducted or updated within 180 days of the date of purchase or the date of the intended transaction: (i) interviews with owners, operators, and occupants; (ii) searches for recorded environmental cleanup liens; (iii) reviews of federal, tribal, state, and local government records; (iv) visual inspections of the property and of adjoining properties; and (v) the declaration by the environmental professional responsible for the assessment or update.

[6] Under "*All Appropriate Inquiry*" 40 C.F.R. Part 312, EPA defines date of acquisition as the date on which a person acquires title to the *property*.
[7] Subject to meeting the other requirements set forth in this section, for purpose of the *LLPs*, information collected in an assessment conducted prior to the effective date of the federal regulations for *All Appropriate Inquiry* or this practice can be used if the information was generated as a result of procedures that meet or exceed the requirements of the E 1527-97 or -00 standards.

Contractual Issues Regarding Prior Assessment Usage – The contractual and legal obligations between prior and subsequent users of environmental site assessments or between environmental professionals who conducted prior environmental site assessments and those who would like to use such prior environmental site assessments are beyond the scope of this practice.

Data failure – a failure to achieve the historical research objectives in ASTM E 1527-05, §8.3.1 through 8.3.2.2 even after reviewing the standard historical sources in §8.3.4.1 through 8.3.4.8 that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap. See ASTM E 1527-05, 8.3.2.3.

Data gap – a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the Key Site Manager, regulatory officials, etc.). See ASTM E 1527-05 §12.7.

Demolition debris – concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

Engineering controls (EC) – physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property. Engineering controls are a type of activity and use limitation (AUL).

Environmental lien – a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 U.S.C. §§9607(1) & 9607(r) and similar state or local laws.

Environmental professional – a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). See ASTM E 1527-05 Appendix X2. The person may be an independent contractor or an employee of the user.

Fill dirt – dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Good faith – the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

Hazardous substance – a substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C.§9601(14), as interpreted by EPA regulations and the courts:“ (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C.§§6901 et seq.) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C. §7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).” (See ASTM E 1527-05, Appendix X1.)

Hazardous waste – any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901-6992k) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines a hazardous waste, at 42 U.S.C. §6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may—(A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”

Hazardous waste/contaminated sites – sites on which a release has occurred, or is suspected to have occurred, of any hazardous substance, hazardous waste, or petroleum products, and that release or suspected release has been reported to a government entity.

Historical recognized environmental condition – an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an historical recognized environmental condition and included in the findings section of the Phase I Environmental Site Assessment report. The environmental professional shall provide an opinion of the current impact on the property of this historical recognized environmental condition in the opinion section of the report. If this historical recognized environmental condition is determined to be a recognized environmental condition at the time

the Phase I Environmental Site Assessment is conducted, the condition shall be identified as such and listed in the conclusions section of the report.

IC/EC registries – databases of institutional controls or engineering controls that may be maintained by a federal, state, or local environmental agency for purposes of tracking sites that may contain residual contamination and AULs. The names for these may vary from program to program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of "deed restrictions" (California), environmental real covenants list (Colorado), brownfields site list (Indiana, Missouri, Pennsylvania).

Innocent landowner defense – (42 U.S.C. §§9601(35) & 9607(b)(3)) – a person may qualify as one of three types of innocent landowners: (i) a person who "did not know and had no reason to know" that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest." To qualify for the first type of innocent landowner LLP, such person must have made all appropriate inquiry on or before the date of purchase. Furthermore, the all appropriate inquiry must not have resulted in knowledge of the contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the innocent landowner defense. See ASTM E 1527-05, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Institutional controls (IC) – a legal or administrative restriction (for example, "deed restrictions," restrictive covenants, easements, or zoning) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An institutional control is a type of Activity and Use Limitation (AUL).

Interviews – those portions of ASTM E 1527-05 practice that are contained in Section 10 and 11 thereof and address questions to be asked of past and present owners, operators, and occupants of the property and questions to be asked of local government officials.

Key Site Manager – the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property. See ASTM E 1527-05, §10.5.1.

Landowner Liability Protections (LLPs) – landowner liability protections under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability. See 42 U.S.C. §§9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r).

Level of Inquiry is Variable – Not every property will warrant the same level of assessment. Consistent with good commercial or customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry.

Major occupants – those tenants, subtenants, or other persons or entities each of which uses at least 40 % of the leasable area of the property or any anchor tenant when the property is a shopping center.

Material threat – a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Not Exhaustive – All appropriate inquiry does not mean an exhaustive assessment of a clean property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information.

Obvious – that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the property.

Occupants – those tenants, subtenants, or other persons or entities using the property or a portion of the property.

Operator – the person responsible for the overall operation of a facility.

Owner – generally the fee owner of record of the property.

Petroleum exclusion – the exclusion from CERCLA liability provided in 42 U.S.C. §9601(14), as interpreted by the courts and EPA: “The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Petroleum products – those substances included within the meaning of the petroleum exclusion to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 U.S.C. §9601(14), natural

gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics.[5])

[5] *Standard Definitions of Petroleum Statistics*, American Petroleum Institute, Fourth Edition, 1988.

Practically reviewable – information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the property or a geographic area in which the property is located are not generally practically reviewable. Most databases of public records are practically reviewable if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not practically reviewable unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be practically reviewable. In other words, when so much data is generated that it cannot be feasibly reviewed for its impact on the property, it is not practically reviewable.

Prior Assessment Usage – The ASTM E 1527-05 practice recognizes that environmental site assessments performed in accordance with this practice will include information that subsequent users may want to use to avoid undertaking duplicative assessment procedures. Therefore, this practice describes procedures to be followed to assist users in determining the appropriateness of using information in environmental site assessments performed more than one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction. The system of prior assessment usage is based on the following principles that should be adhered to in addition to the specific procedures set forth elsewhere in the ASTM E 1527-05 practice.

Property – the real property that is the subject of the environmental site assessment described in the ASTM E 1527-05 practice. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land.

Publicly available – information that is publicly available means that the source of the information allows access to the information by anyone upon request.

Reasonably Ascertainable/Standard Sources – availability of record information varies from information source to information source, including governmental jurisdictions. The user or environmental professional is not obligated to identify, obtain, or review every possible record that might exist with respect to a property. Instead, this practice identifies record information that shall be reviewed from standard sources, and the user or environmental professional is required to review only record information that is reasonably ascertainable to those standard sources. Record information that is reasonable ascertainable means (1) information that is publicly available, (2) information that is obtainable from its source within reasonable time and cost constraints, and (3) information that is practically reviewable.

Reasonable time and cost – information that is obtainable within reasonable time and cost constraints means that the information will be provided by the source within 20 calendar days of receiving a written, telephone, or in-person request at no more than an nominal cost intended to cover the source's cost of retrieving and duplicating the information. Information that can only be reviewed by a visit to the source is reasonably ascertainable if the visit is permitted by the source within 20 days of request.

Recognized environmental conditions – the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

Recorded land title records – records of historical fee ownership, which may include leases, land contracts, and AULs on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records. See ASTM E 1527-05 §8.3.4.4.

Relevant experience (as used in the definition of environmental professional) – participation in the performance of all appropriate inquiries investigations, environmental site assessments, or other site investigations that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases (see 40 CFR §312.1(c)) to the subject property.

Rules of Engagement – The contractual and legal obligations between an environmental professional and a user (and other parties, if any) are outside the scope of this practice. No specific legal relationship between the environmental professional and the user is necessary for the user to meet the requirements of this practice.

Uncertainty Not Eliminated – No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost.

Use of Prior Information – Subject to the requirements set forth in ASTM E 1527-05, Section 4.6, users and environmental professionals may use information in prior environmental site assessments provided such information was generated as a result of procedures that meet or exceed the requirements of this practice. However, such information shall not be used without current investigation of conditions likely to affect recognized environmental conditions in connection with the property. Additional tasks may be necessary to document conditions that may have changed materially since the prior environmental site assessment was conducted.

User – the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice as outlined in ASTM E 1527-05, Section 6.

Visually and/or physically observed – during a site visit pursuant to this practice, this term means observations made by vision while walking through a property and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term "walking through" is not meant to imply that disabled persons who cannot physically walk may not conduct a site visit; they may do so by the means at their disposal for moving through the property and the structures located on it.

8.3 Acronyms

ACM – asbestos-containing material
AST – aboveground storage tank
ASTM – American Society for Testing and Materials
AUL – Activity and Use Limitations
bgs – below ground surface
CERCLA – Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 USC § 9601 et seq.)
CERCLIS – Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA)
CFR – Code of Federal Regulations
CORRACTS – Facilities subject to Corrective Action under RCRA

EA – Environmental assessment
ECRA – Environmental Cleanup Responsibility Act
EDR – Environmental Data Resources, Inc.
EPA – United States Environmental Protection Agency
EPCRA – Emergency Planning and Community Right to Know Act ((also known as SARA Title III), 42 USC § 11001 et seq.)
ERNS – Emergency Response Notification System
ESA – Environmental Site Assessment (different than an *environmental compliance audit*, 3.2.27)
FOIA – U.S. Freedom of Information Act (5 U.S.C. §552 as amended by Public Law No. 104-231, 110 Stat.)
FR – Federal Register
HREC – Historical recognized environmental condition
ICs – Institutional Controls
ISRA – Industrial Site Recovery Act
LBP – Lead-based paint
LLP – Landowner Liability Protections under the *Brownfields Amendments*
LRST – Leaking registered storage tank
LUST – Leaking underground storage tank
MSDS – Material safety data sheet
NCP – National Contingency Plan
NFRAP – former CERCLIS sites where no further remedial action is planned under CERCLA
NPDES – National Pollutant Discharge Elimination System
NPL – National Priorities List
NVLAP – National Voluntary Laboratory Accreditation Program
OSHA – Occupational Safety and Health Administration
PACM – Presumed asbestos-containing material
PCBs – Polychlorinated biphenyls
PLM – Polarized light microscopy
PRP – Potentially responsible party (pursuant to CERCLA 42 USC § 9607(a))
RCRA – Resource Conservation and Recovery Act (as amended, 42 USC § 6901 et seq.)
RCRIS – Resource Conservation and Recovery Act Information System
REC – Recognized environmental condition
ROC – Record of communication
RST – Registered storage tank
SACM – Suspect asbestos-containing material
SARA – Superfund Amendments and Reauthorization Act of 1986 (amendment to CERCLA)
SIC – Standard Industrial Classification
TEM – Transmission electron microscopy
TSDF – Hazardous waste treatment, storage or disposal facility
USC – United States Code
USEPA –United States Environmental Protection Agency
USGS – United States Geological Survey
UST – Underground storage tank

8.4 Purpose

The purpose of a Phase I Environmental Assessment is to evaluate issues that may have an impact on the subject property. The purpose of the ASTM E 1527-05 practice is to define good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, the practice is intended to permit a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B). The goal of this process is to identify the presence or likely presence of hazardous substances or petroleum products on the property and identify conditions that indicate an existing release, a past release, or a material threat of a release of hazardous substances or petroleum products into structures on the subject property or into the ground, groundwater, or surface of the subject property. The purpose of this report is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. This report is also not intended to serve as a compliance assessment of the subject property or to identify health and safety issues or procedures. The ASTM E 1527-05 DOES NOT address whether requirements in addition to all appropriate inquiry have been met in order to qualify for the LLPs (for example, the duties specified in 42 U.S.C. §9601(b)(3)(a) and (b) and cited in Appendix X1 of the ASTM Standard, including the continuing obligation not to impede the integrity and effectiveness of activity and use limitations (AULs), or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting obligations).

The ASTM E 1527-05 practice DOES NOT address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provision of the LLPs. Per the ASTM Standard, Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice. Users should also be aware that there are likely to be other legal obligations with regard to hazardous substances or petroleum products discovered on the property that are not addressed in the ASTM practice and that may pose risks of civil and/or criminal sanctions for non-compliance.

8.5 Significant Assumptions

The following assumptions are made by Property Solutions in this report. Property Solutions relied on information derived from secondary sources including governmental agencies, the Client (User), designated representatives of the Client (User), property contact, property owner, property owner representatives, computer databases, and personal interviews. Except as set forth in this report, Property Solutions has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources including government agencies,

the Client, designated representatives of the Client, property contact, property owner, property owner representatives, computer databases, or personal interviews and has assumed that such information is accurate and complete. Property Solutions assumes information provided by or obtained from governmental agencies including information obtained from government websites is accurate and complete. Groundwater flow and depth to groundwater, unless otherwise specified by on-property well data, are assumed based on contours depicted on the United States Geological Survey topographic maps. Property Solutions assumes the property has been correctly and accurately identified by the Client (User), designated representative of the Client (User), property contact, property owner, and property owner's representatives. Property Solutions assumes that the Client (User), Client representatives, Client Legal Counsel, designated representatives of the Client, Key Site Manager, property contact, property owner, property owner representatives, and property brokers, used good faith in answering questions and in obtaining information for the subject property as defined in 10.8 of the ASTM E 1527-05 practice. This would also include obtaining those helpful documents from previous owners, operators, tenants, brokers, financial institutions etc. Property Solutions also assumes the Client will designate appropriate and knowledgeable people for performance of the Phase I Environmental Assessment including Key Site Managers.

8.6 Special Terms and Conditions

This Phase I Environmental Assessment was prepared in accordance with the stated and agreed upon Scope of Work. In order to perform a comprehensive environmental evaluation, subsurface investigation and testing would be required to definitively evaluate whether contamination has affected the subject property. Therefore, the findings and conclusions presented herein are based solely on the scope of work previously described and information gathered. No environmental assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of the ASTM practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and the ASTM practice recognizes reasonable limits of time and cost. Limitations to the assessment also include weather conditions, vegetation cover, parked cars, trucks, dumpsters, and anything limiting visual observation of or physical access to the subject property and neighboring properties. Vapor intrusion is not included in this scope of services and is considered an ASTM Non-scope consideration. This report and scope is not an environmental compliance audit.

Subject to Section 4.8 of the ASTM E 1527-05 Standard, an environmental site assessment meeting or exceeding the practice and completed less than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid. If within this period the assessment will be used by a different user than the user (Client) for whom the assessment was originally prepared, the subsequent user (if authorized to rely on the report as identified in Section 1.5 Reliance of this report) must also satisfy the User's Responsibilities in Section 6 of the ASTM E 1527-05 standard. If this assessment is over 180 days old it is not valid and a new assessment should be performed per the ASTM standard.

This report was specifically and only prepared for the identified specific Client (user) and for their specific purpose; no other person or entity for any other purpose may use, or rely on this report or its contents unless specifically authorized in writing by Property Solutions Inc. Subsequent consultants and subsequent Users may not rely on this report or information included in this report. Property Solutions Inc. will not be held liable in any way for any and all unauthorized use of this report both currently and in the future. Consultants and subsequent Users must specifically and separately verify all information and not rely on the facts, findings, conclusions, and opinions of this report. Future use of this report by consultants or subsequent Users is strictly prohibited and not authorized to evaluate the appropriateness of using this information in environmental site assessments performed in the future by anyone other than Property Solutions Inc. Subsequent consultants and subsequent Users may not include this report or information included in this report (unless publicly available) without the written authorization of Property Solutions Inc.

No other special terms and conditions are applicable to this Phase I Environmental Assessment.

Property Solutions INC. 323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

ATTACHMENT I
PROFESSIONAL QUALIFICATIONS

Jack Curtis

ENVIRONMENTAL CONSULTANT

EDUCATION

BA Chemistry
State University of New York College at Buffalo
Buffalo, New York

MBA
University of Phoenix
Phoenix, Arizona

ACCREDITATIONS

AHERA Asbestos Inspector
Member American Chemical Society
State of California - Registered Environmental Assessor No. 02165

SUMMARY OF QUALIFICATIONS

Mr. Curtis has been conducting Phase I and II Environmental Site Assessments of commercial, industrial and multi-family residential properties throughout the United States since 1989. Prior to conducting due diligence activities for the commercial banking and real estate industries, Mr. Curtis was the Plant Manager for a Treatment, Storage, and Disposal Facility (TSDF) in Niagara Falls, New York.

REPRESENTATIVE PROJECT EXPERIERNCE

Phase I ESA – Boston, Massachusetts
Mr. Curtis performed a Phase I ESA on the John Hancock Tower as part of a financial transaction.

Phase I ESA – New York, New York
Mr. Curtis performed a Phase I ESA on the Reuters-Instanet Building in Times Square as part of a financial transaction.

Phase I ESA – New York, New York
Mr. Curtis performed a Phase I ESA on the McGraw Hill Building in Rockefeller Center as part of a financial transaction.

Phase I ESA – Pittsburgh, Pennsylvania
Mr. Curtis performed a Phase I ESA on the PPG Place complex as part of a financial transaction.

Phase I ESA – Baltimore, Maryland
Mr. Curtis performed a Phase I ESA on the Maryland Science Center on Baltimore's inner harbor as part of a financial transaction.

Phase II ESA – Buffalo, New York
Mr. Curtis performed several Phase II ESAs on former commercial and industrial properties prior to the development of residential housing in conjunction with the City of Buffalo Housing Authority

Phase III ESA – Buffalo, New York
Mr. Curtis performed a Phase III ESA on the former Republic Steel site in Buffalo, New York to determine the extent of contamination prior to site remediation. This project was part of a redevelopment project conducted in conjunction with the City of Buffalo Economic Development Authority.

Brian Demme
TECHNICAL MANAGER

EDUCATION B.S Geology
State University College at Buffalo
Buffalo, New York
New York State Teaching Certificate Program: Saint Bonaventure University, Olean, New York

ACCREDITATIONS OSHA 40-hour HAZWOPER Training
National Registry of Environmental Professional
Registered Environmental Assessor –State of California
Registered Environmental Health and Safety Management Specialist

SUMMARY OF QUALIFICATIONS

Project management duties include budget tracking, cost estimating, correspondence with regulators, invoicing, project set up and coordination, supervision of subcontractors and mentoring junior staff. Has worked with environmental regulators from California, New York, South Carolina, North Carolina, Ohio, Pennsylvania, Texas and West Virginia. Extensive Due Diligence experience in 14 states. Strong health and safety experience. Environmental Due Diligence, Environmental Assessments (Phase II's), Comprehensive Environmental Response Compensation Liability Act (CERCLA), Remedial/Feasibility Studies (RI/FS), Resource Conservation Recovery Act (RCRA), Voluntary Cleanup Program (VCP) investigations, Brownfield, Corrective Action, Indoor Air Quality and Asbestos Surveys.

REPRESENTATIVE PROJECT EXPERIERNCE

Environmental Restoration and State Superfund – Tonawanda, New York

Led and directed the largest environmental cleanup in western New York history at the former Spaulding Fiber plant. Oversaw the day to day efforts of an environmental remedial contractor which consisted of the removal of 67,000 tons of contaminated soil from areas of concern which consisted of historical leaks, spills, settling ponds, imported fill for backfill and on-site waste disposal. Coordinated confirmation soil sampling activities. Works with regulators from the New York State Department of Environmental Conservation (NYSDEC).

NTCRA – Wilmington, North Carolina

Oversaw a USEPA Non-Time-Critical Removal Action (NTCRA) investigation. The NTCRA activities included a combination of in situ groundwater neutralization, sediment removal, metal stabilization, soil removal and stabilization, and in situ stabilization of saturated subsurface soil. Chemical injections were used to raise the pH of ground water and reduce the mobility of lead and arsenic into the groundwater. Co-authored the NTCRA report. Tracks budgetary milestones and performance of environmental contractor.

Environmental Risk Innovations– Charlotte, North Carolina

Provided environmental risk management for commercial lenders, such as Wachovia, Wells Fargo and Union Bank. Provides technical review of Phase I and Phase II environmental site assessments from environmental consultants. Works on large lending portfolio projects.

State Superfund- Olin Chemical, Rochester NY

Responsible for soil and rock classification logs, environmental sampling, air monitoring, drilling supervision and site health and safety. Provided oversight during the installation of recovery and bedrock monitoring wells. Site contact during the completion of project. Responsible for subcontractor health and safety during the duration of the project.

Phase II Investigation-Toronto, Canada

Oversaw a Phase II at London Graphics during a property transfer. Investigation focused on the sampling for PCBs, semi-volatiles in soil and groundwater.

Site Investigations – San Diego, California
Oversaw environmental investigations for BP ARCO, and Chevron at active gasoline service stations in southern California. Coordinated all field efforts consisting of encroachment permits, well permits, drilling, waste removal and disposal and health and safety plans. Wrote work plans, site investigations reports. Interacted with project managers with the County of San Diego Environmental Health Site Assessment and Mitigation Program.

UST Investigations – Charlotte, North Carolina
Project manager for multiple petroleum clients. Works with the South Carolina Department of Department of Environmental Health (SCDEH) Underground Storage Tank Management Division and the North Carolina Department of Environmental and Natural Resources (NCDENR) Underground Storage Tank Program Corrective Action Branch to investigate releases from underground storage tanks. Conducts Tier I, Tier II and Tier III assessments.

TIM CLACKETT
REGIONAL MANAGER

EDUCATION Bachelors of Environmental Science and Geography
State University of New York at Buffalo
Buffalo, New York

ACCREDITATIONS

OSHA 40-hour HAZWOPER Training
USEPA-AHERA Certified Asbestos Inspector
OSHA Confined Space Entry Training
ACOE Wetlands Delineator Training

SUMMARY OF QUALIFICATIONS

Mr. Clackett has over five years experience performing Phase I Environmental Assessments, Phase II Subsurface Investigations, and Regulatory Compliance Audits for commercial, residential, industrial, and institutional real estate transactions throughout the United States and Canada. Mr. Clackett is experienced in landfill closure compliance in accordance with federal and state regulations. Mr. Clackett has performed wetland delineations in accordance with the Army Corps of Engineers 1987 Manual. Mr. Clackett has conducted carbon monoxide modeling for various road improvement projects. Mr. Clackett has developed and implemented air, water, and soil sampling and analysis plans for various hazardous waste sites. In addition, Mr. Clackett has also provided such services as acting as a liaison between regulatory agencies and clients and proposal development.

REPRESENTATIVE PROJECT EXPERIERNCE

Vacant Land – Kings Park, NY
Mr. Clackett performed an environmental assessment for a vacant parcel of land located in Kings Park, NY adjacent to a previously closed landfill. The assessment included an evaluation of prior use of the property, the collection of soil gas samples in areas suspected of being impacted by the adjacent landfill, and review of previous reports for the landfill.

Compliance Audit – Town of North Hempstead, NY
Mr. Clackett performed a hazardous material storage compliance audit for properties owned by the Town of North Hempstead. The assessment included an evaluation of Underground Storage Tanks (UST), Aboveground Storage Tanks (AST) and hazardous material storage areas for compliance with applicable federal, state and local regulations.

Landfill Closures, Various Locations
Mr. Clackett has performed several landfill closure investigations in Long Island and Staten Island, NY. The closure investigations included the design of sampling plans, the collection of representative air, soil and water samples and the submittal of closure documents to satisfy state regulations. Mr. Clackett has also performed quality assurance inspections for construction activities related to landfill closures.

Wetland Delineation – Putnam County, NY
Mr. Clackett performed a wetland delineation for a proposed courthouse in Putnam County, NY. The wetland delineation included the identification of wetland vegetation and soils in accordance with the Army Corp of Engineers 1987 Wetland Delineation Manual.

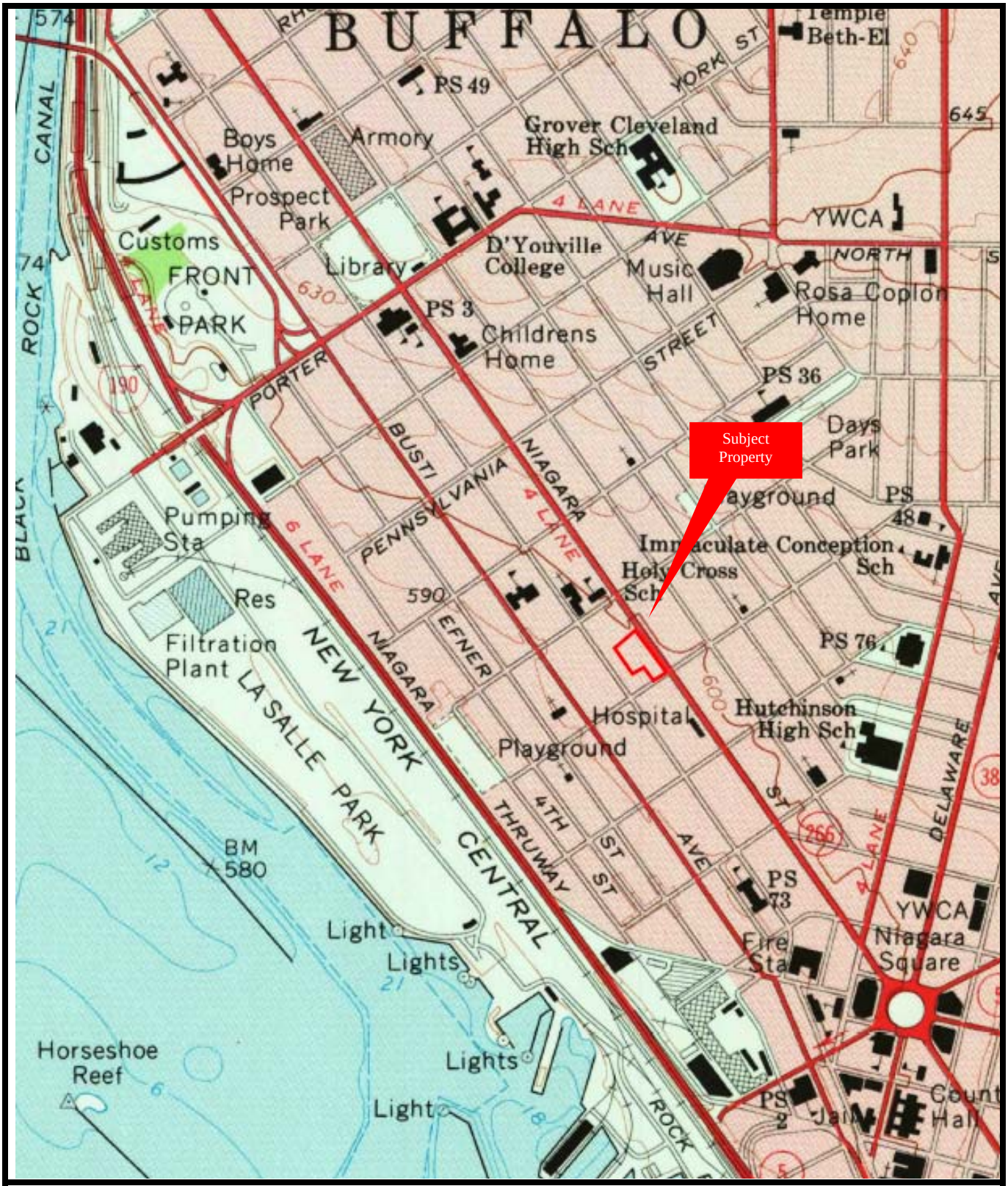
Carbon Monoxide Survey – Route 25, Centereach, NY
Mr. Clackett has performed a carbon monoxide survey of a section of Route 25 located in Centereach, NY for the NYS Department of Transportation. The carbon monoxide survey included modeling of carbon monoxide concentrations at critical locations using the USEPA designated Cal3QHC model. Modeling results were used in the design phase for the rehabilitation of the state owned roadway.

Other Project Experience

Mr. Clackett has overseen various monitoring well installations, soil gas surveys and underground soil probing projects. Based on the findings of the Phase II activities, Mr. Clackett has advised clients of remedial alternatives and provided cost estimations.

Mr. Clackett has performed many Phase I environmental due diligence evaluations of industrial, commercial, and residential properties for various lending institutions and private clients involving: historic research of property usage, bulk sampling for asbestos-containing materials and lead-based paint, radon and lead-in-drinking water, interpretation of environmental database reports, identification of potential contamination and liability based on research, interviews, field evaluation, and documentation through technical report writing.

APPENDIX A
FIGURES



US DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY 7.5' TOPOGRAPHIC QUADRANGLE

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York 14201	Project No.: 20134178	N
Topo Quad Name: Buffalo NY		Property Boundaries are Approximate	



TAX MAP

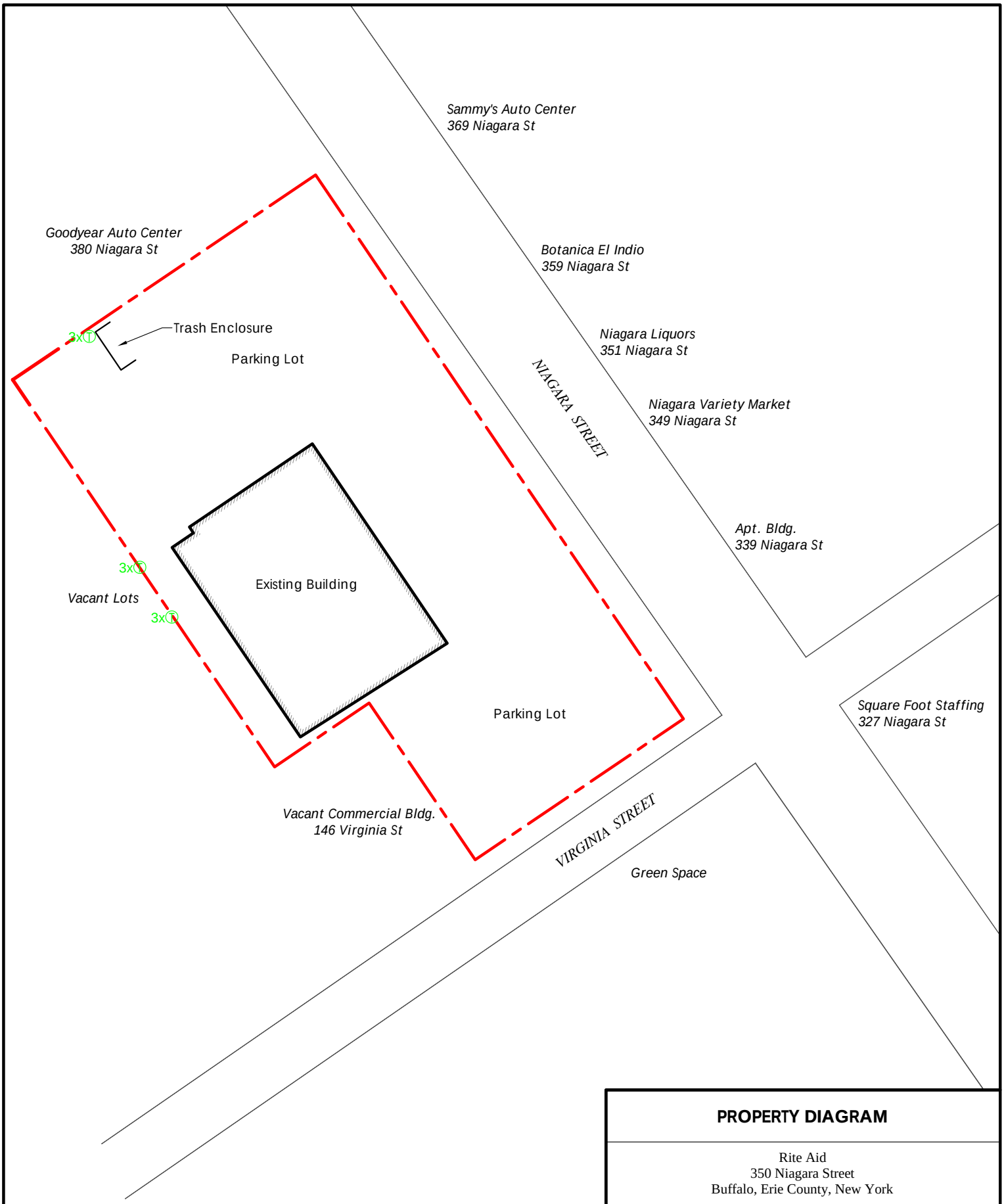
Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York 14201	Project No.: 20134178	N



WETLAND MAP

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York 14201	Project No.: 20134178	N

APPENDIX B
PROPERTY DIAGRAM



LEGEND

Subject Property Boundary

Ⓣ Pole-Mounted Transformer

NOTE:

1. All Boundaries are Approximate.

PROPERTY DIAGRAM

Rite Aid
350 Niagara Street
Buffalo, Erie County, New York

Drawn By: JC	Not to Scale	Project No.: 20134178
CAD By: RJA		
CAD On: 11/13/2013		
Revised On: MM/DD/YY		

Property Solutions Inc.
Environmental & Engineering Consulting
323 New Albany Road, Moorestown, NJ 08057
Phone: 856-813-3000 & Fax: 856-813-1069

File: 20134178 property diagram.dwg

APPENDIX C
PHOTOGRAPHS

PHOTO 1.

Sign along Niagara Street



PHOTO 2.

Front (northeast side) of building



PHOTO 3.

Rear (southwest side) of building



PHOTO 4.

Left (southeast) side of building



PHOTO 5.

Right (northwest) side of building



PHOTO 6.

Pole-mounted transformers



PHOTO 7.

Storage pods



PHOTO 8.

Trash dumpster enclosure



PHOTO 9.

Northeasterly adjoining property – Sammy's Auto Center



PHOTO 10.

Northeasterly adjoining property – Botanica El Indio



PHOTO 11.

Northeasterly adjoining property – Retail stores and apartments



PHOTO 12.

Northeasterly adjoining property - Apartments



PHOTO 13.

Northwesterly adjoining property – Goodyear Auto Center



PHOTO 14.

Southeasterly adjoining property – Vacant commercial building



PHOTO 15.

Southeasterly adjoining property – Square Foot Staffing



PHOTO 16.

Southeasterly adjoining property - Greenspace



PHOTO 17.

Southwesterly adjoining property – Vacant lots



APPENDIX D
USER CORRESPONDENCE

Not provided

APPENDIX E
AERIAL PHOTOGRAPHS



1938 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



1943 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



1959 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



1966 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



1978 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



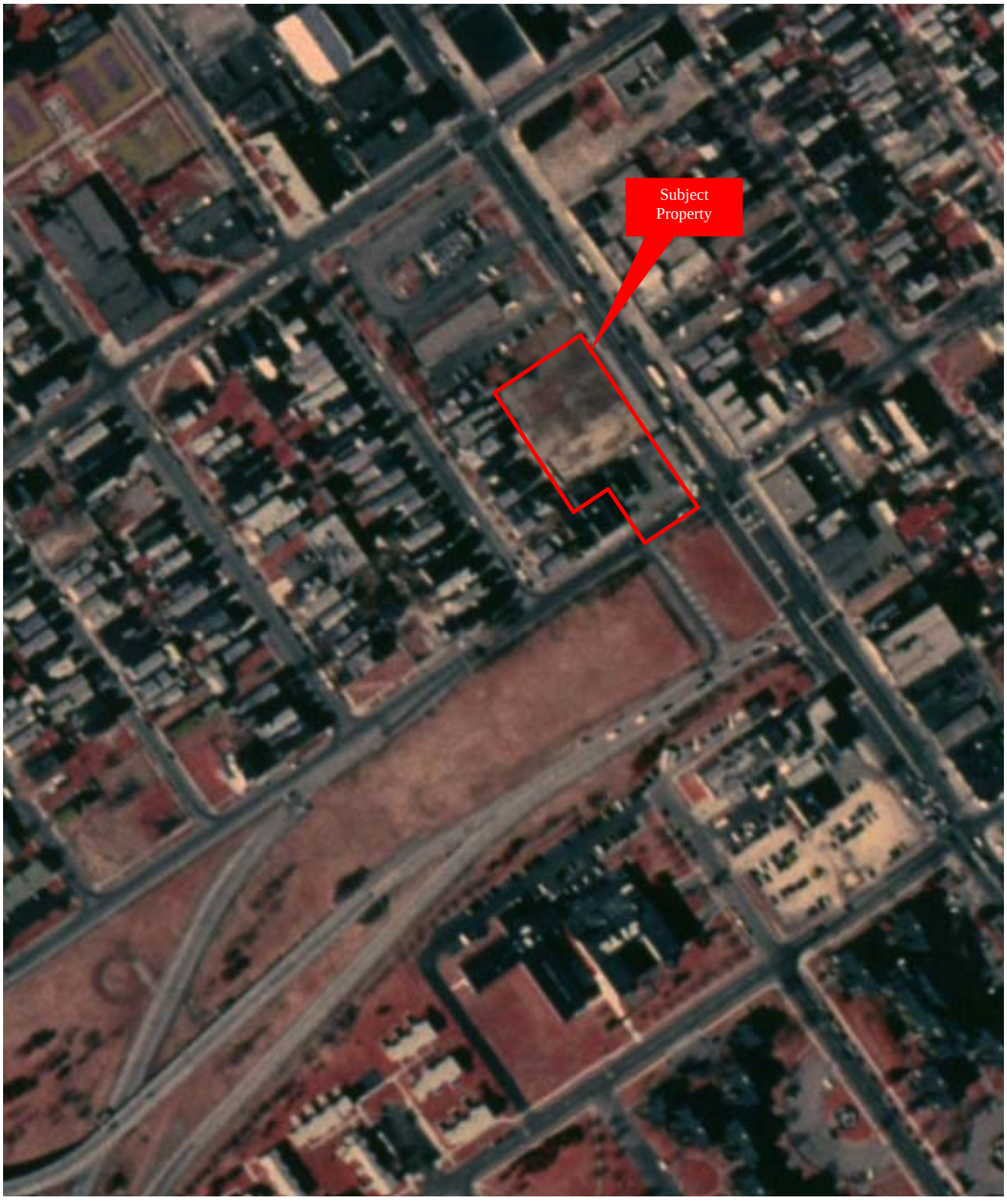
1983 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



1985 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



1995 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



2006 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



2008 AERIAL PHOTOGRAPH

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



2009 AERIAL PHOTOGRAPH

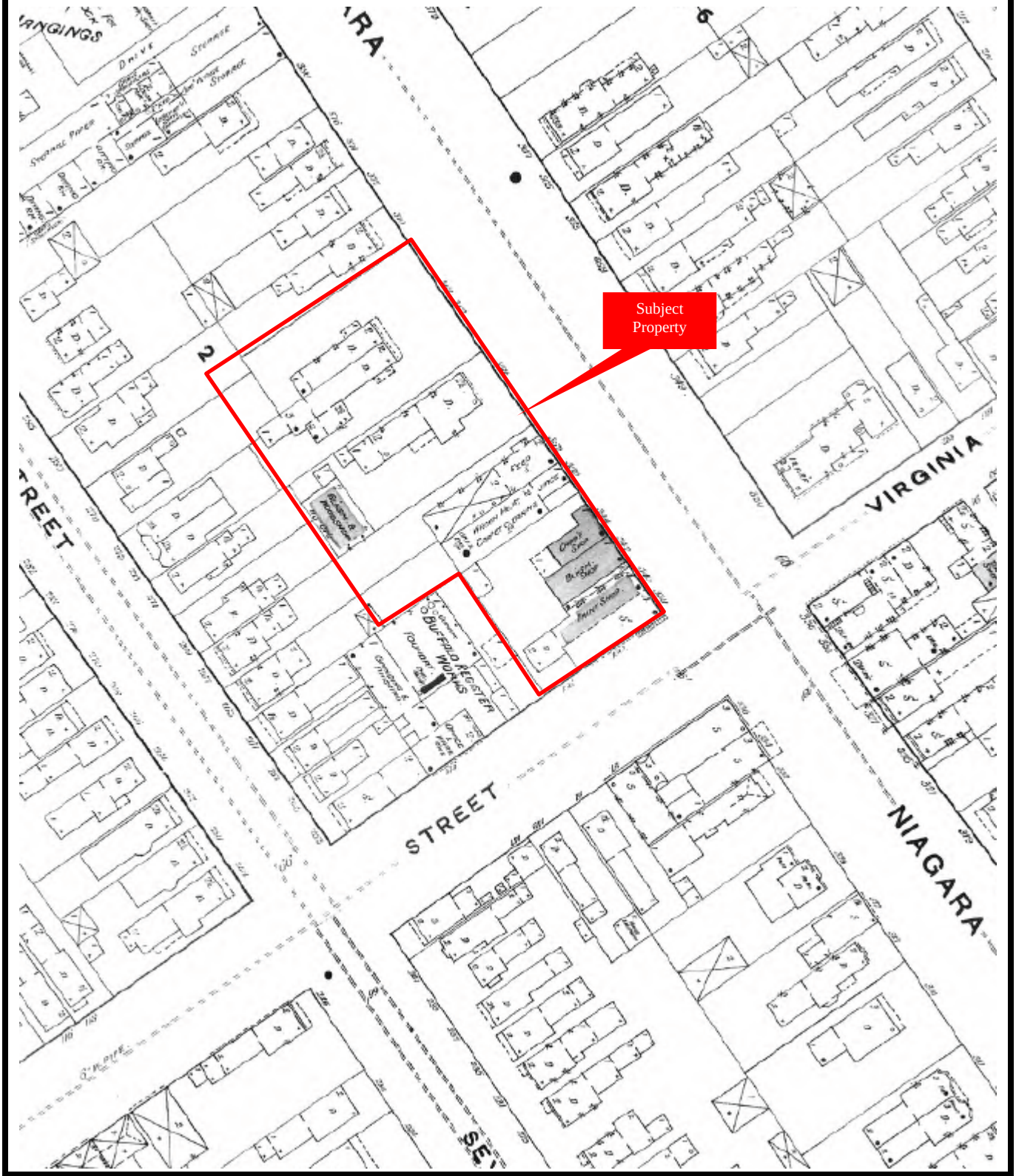
Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	



2011 AERIAL PHOTOGRAPH

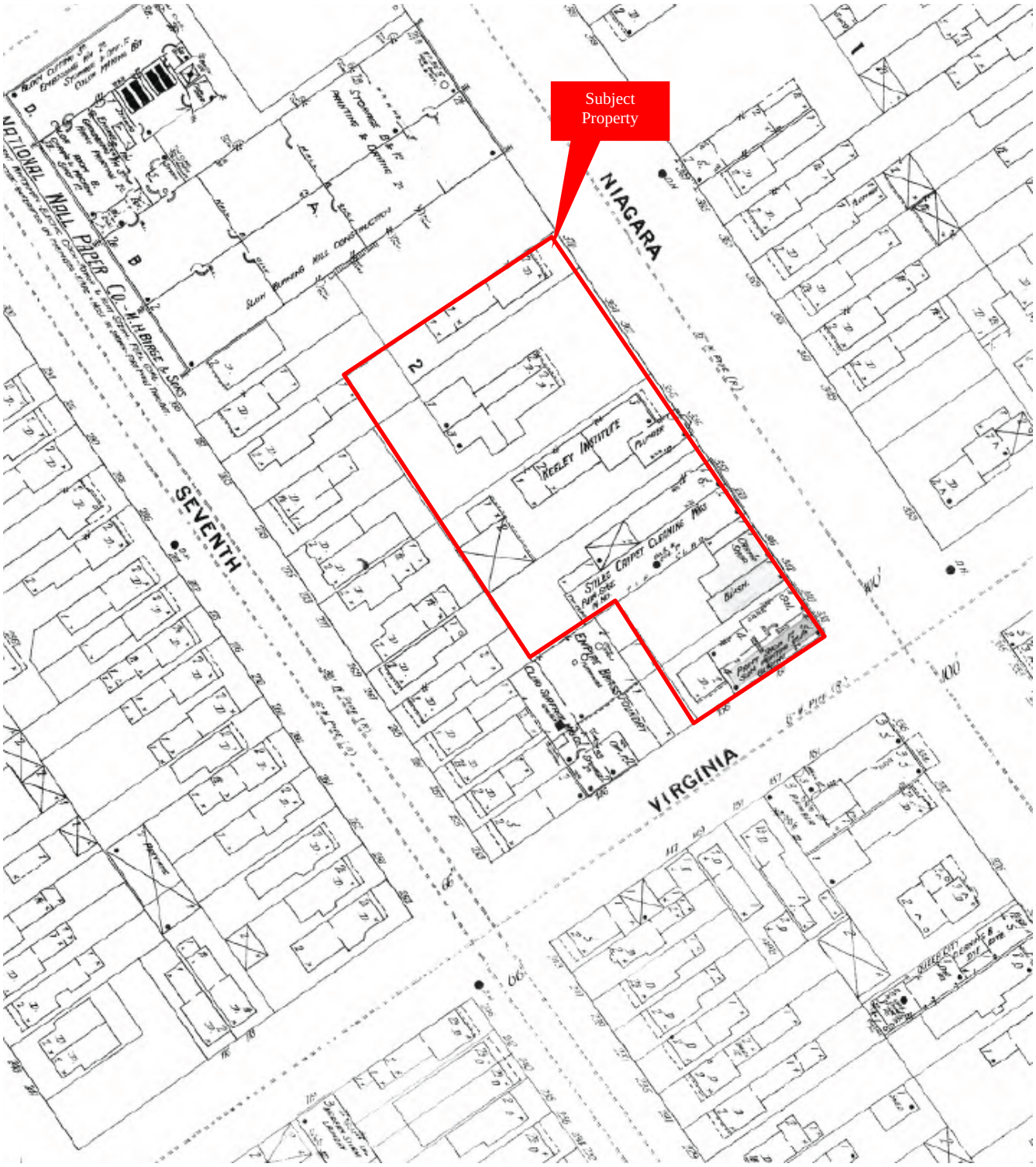
Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Aerial Company & Location: EDR, Milford, Connecticut		Property Boundaries are Approximate	

APPENDIX F
HISTORIC MAPS



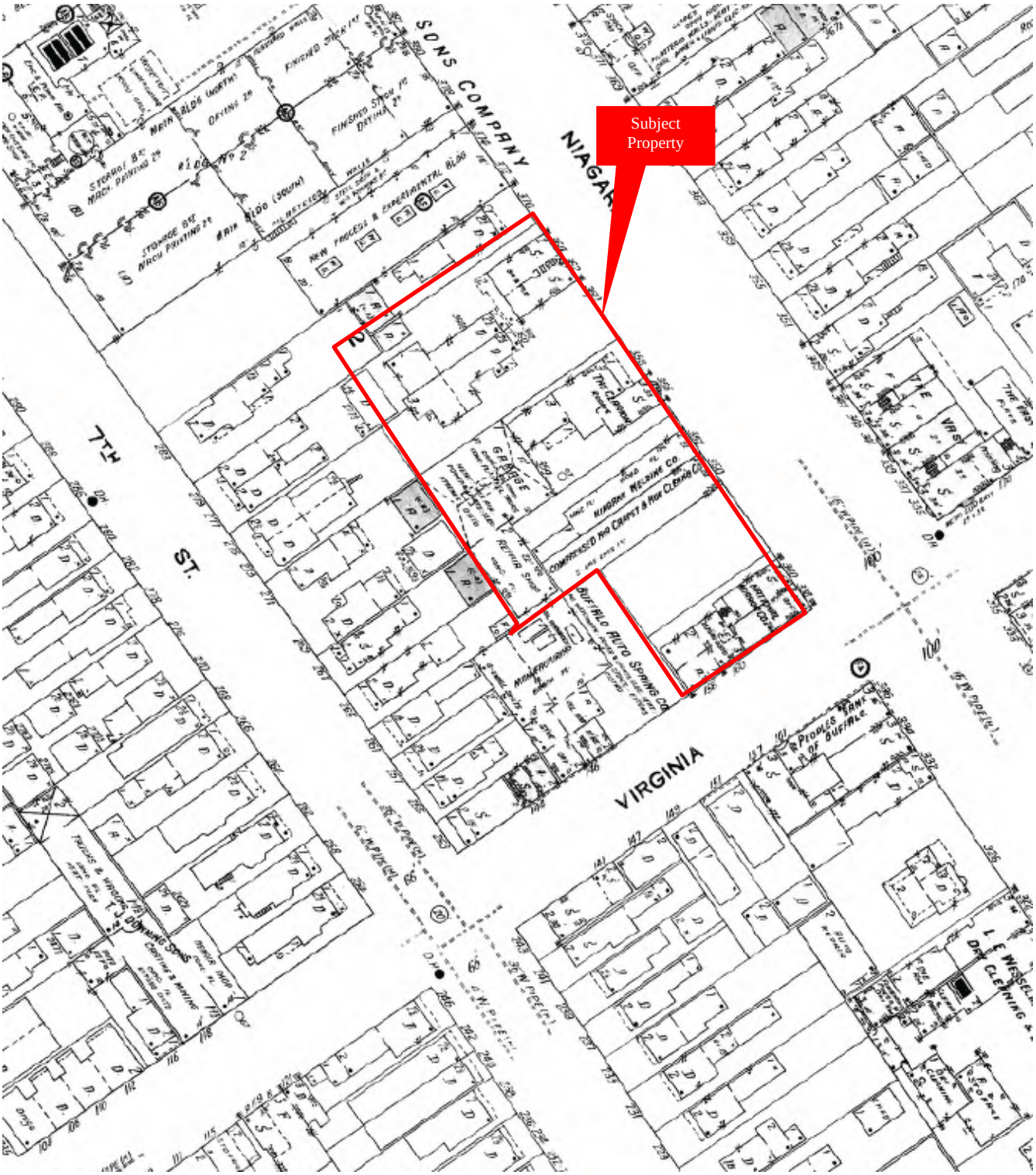
1889 SANBORN FIRE INSURANCE MAP

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Company & Location: EDR, Milford, CT		Property Boundaries are Approximate	



1899 SANBORN FIRE INSURANCE MAP

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Company & Location: EDR, Milford, CT		Property Boundaries are Approximate	



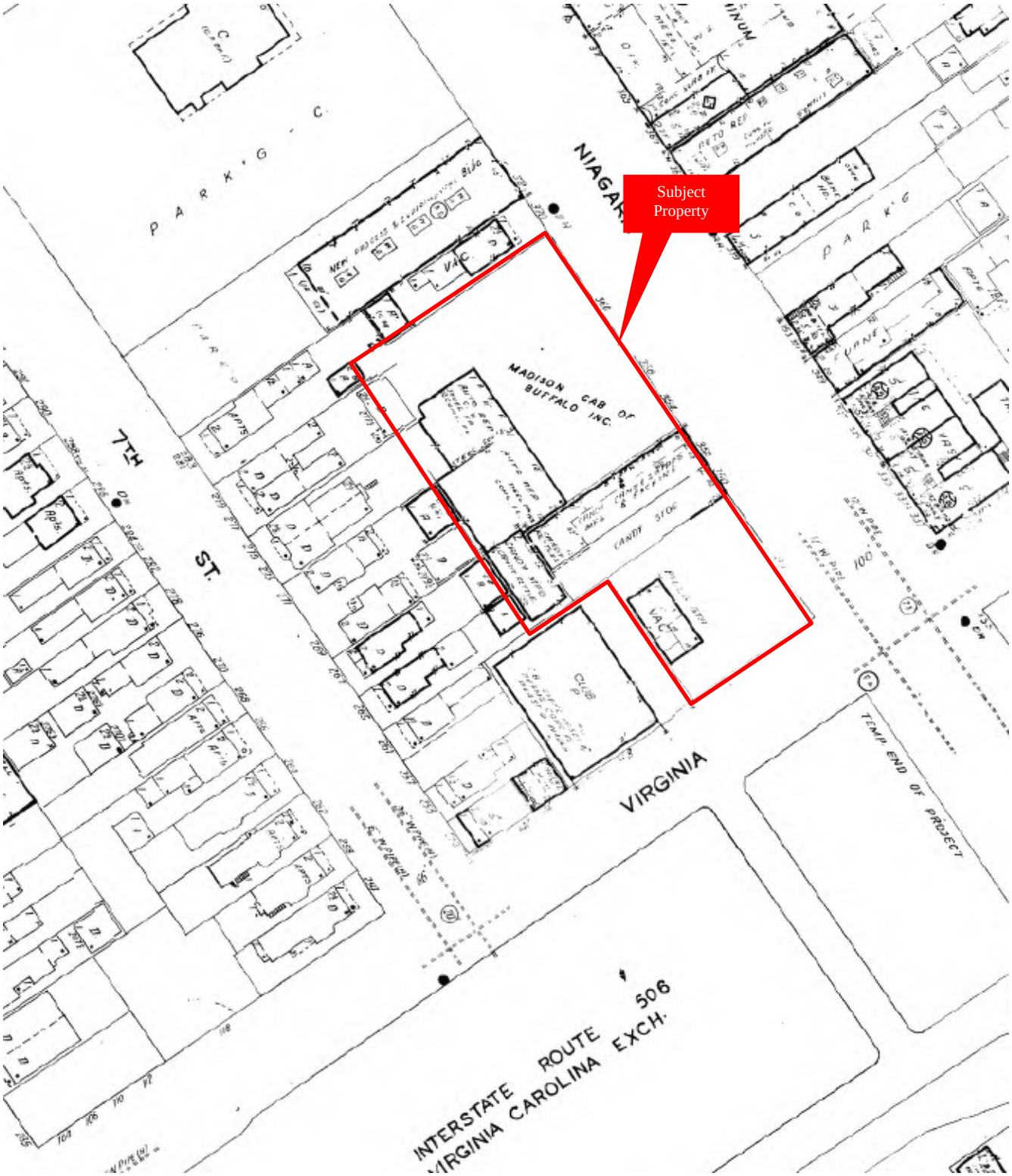
1925 SANBORN FIRE INSURANCE MAP

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Company & Location: EDR, Milford, CT		Property Boundaries are Approximate	



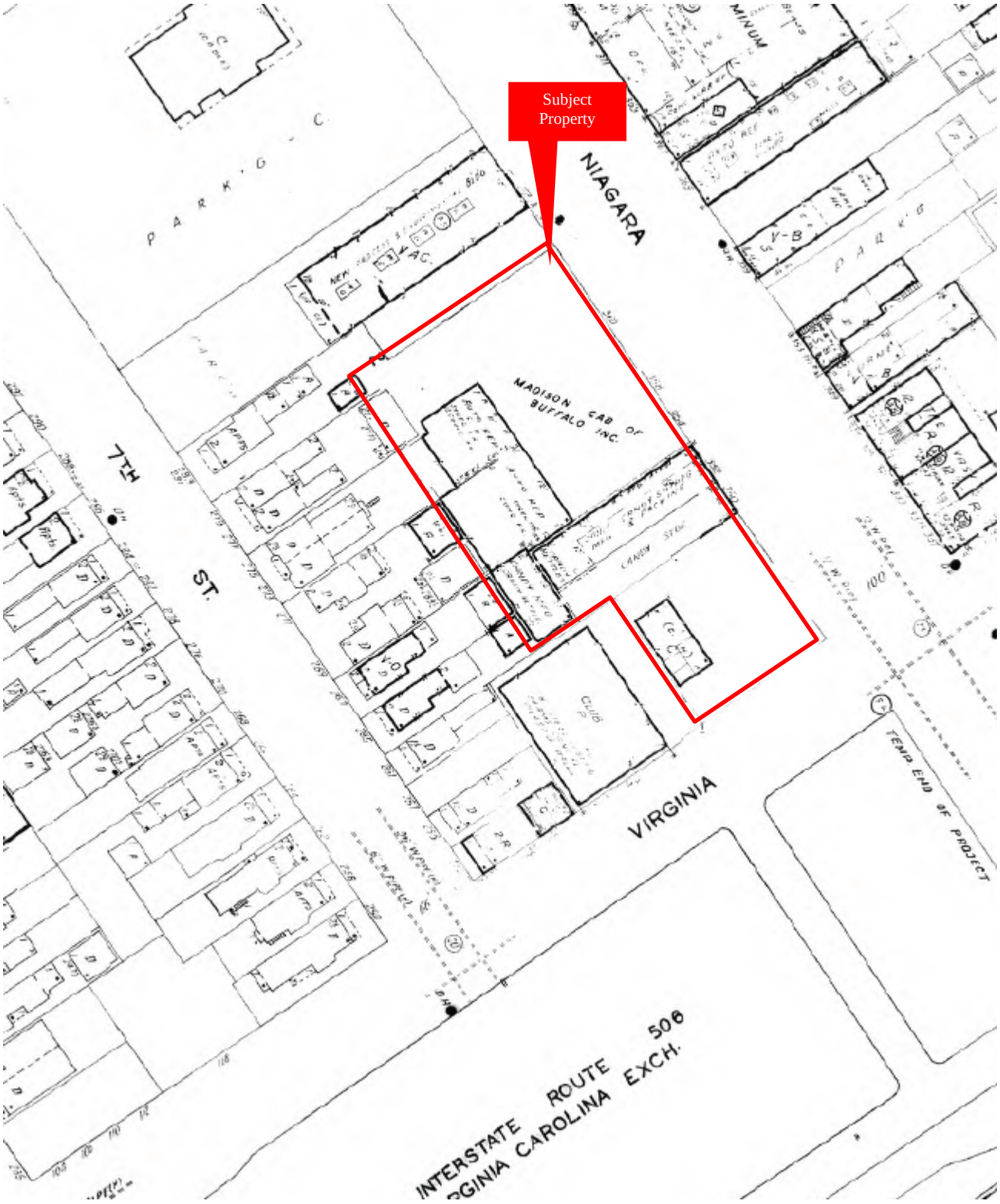
1951 SANBORN FIRE INSURANCE MAP

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Company & Location: EDR, Milford, CT		Property Boundaries are Approximate	



1981 SANBORN FIRE INSURANCE MAP

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Company & Location: EDR, Milford, CT		Property Boundaries are Approximate	



1986 SANBORN FIRE INSURANCE MAP

Property Solutions Inc.	Rite Aid 350 Niagara Street Buffalo, New York	Project No.: 20134178	N
Company & Location: EDR, Milford, CT		Property Boundaries are Approximate	

APPENDIX G
PREVIOUS REPORTS AND PLANS

Store No: 497
Tab No: 17

Dorman & Wilson, Inc. (Lender)

Certification for Surveys

In connection with the closing of a mortgage loan to WEC 97A-3 Investment Trust, its successors and assigns ("Borrower") by Dorman & Wilson, Inc., its successors and assigns ("Lender"), the undersigned, understanding that Lender will rely upon the certifications contained herein in making and disbursing said loan, hereby certifies to Lender, its successors and assigns, First American Title Insurance Company ("Title Insurance Company") Borrower and Rite Aid of New York, Inc., its successors and assigns ("Tenant") that:

1. The survey to which this certificate is attached, prepared by the undersigned, a professional registered engineer or registered land surveyor of TVGA Engineering, Surveying, P.C. ("Survey Company") entitled the "Rite-Aid Store 497 350 Niagara Street, Buffalo, NY" ("Survey") was actually made by instrument survey upon the ground versus photogrammetry or other methods.

2. The Survey was prepared in accordance with the document entitled "Dorman & Wilson, Inc. Requirements For Survey To Be Furnished in Connection With Mortgage Loans" and contains and shows all information required, thereby and constitutes an accurate "as-built" survey of Rite Aid Store No. 497 known by the street address of 350 Niagra St., Buffalo, New York 14201.

3. The Survey and the information, courses and distances shown thereon, including, without limitation, all setback and yard lines, are correct and the boundary description on the survey forms a mathematically closed figure.

4. The title lines described in the legal description on the survey and shown on the Survey, and the lines of actual possession are the same.

5. The size, location and type of buildings, structures and improvements are as shown.

6. Said buildings, structures and improvements constitute all of the improvements on said premises and all are within the boundary lines of the property.

7. There are no violations of zoning ordinances, restrictions or other rules and regulations with reference to the location of said buildings, structures and improvements, including, without limitation, restrictions relating to height, frontage area, yard size and set back areas.

8. Based upon a careful physical inspection of the premises, there are no easements or rights of way over, encroachments by improvements located on adjacent property onto, or uses affecting, this property or easement areas existing for the benefit of land adjacent to this property, except such, if any, as are shown on the survey.

9. There are no encroachments by any of the improvements located on said premises onto adjacent property or onto easement areas of others, except such, if any, as are shown on the survey.

AI00008722

10. The property is serviced by all public utility services required for the operation of the premises. All such utilities either enter the premises through adjoining public streets or the Survey shows the point of entry and location of any utilities which pass through or are located on adjoining private land.

11. The premises have direct access to Niagara Street and Virginia Street, a dedicated public way (list all access routes to all public streets) and there are no streets abutting the property which are described in recorded documents, yet not physically opened.

12. The Survey shows the location and direction of all storm drainage systems for the collection and disposal of all roof and surface drainage.

13. Any discharge into streams, rivers or other conveyance system is shown on the Survey.

14. That certain preliminary insurance commitment dated 2/6/97 issued by the Title Insurance Company was reviewed by the undersigned and the Survey reflects all of the exceptions contained in Schedule B of that commitment or, if any such exceptions cannot be located, the same are indicated in the Notes appearing on this Survey as being unlocatable.

15. Record bearings, angles and distances do not differ from measured bearings, angles or distances unless clearly indicated on the survey.

16. The property surveyed is a separate and distinct parcel and is not part of an overall larger parcel of land and represents a separate parcel for real estate tax purposes.

17. There does not appear to be any use of the property other than by its occupants.

18. There are no visible cemeteries or burying grounds on the property.

19. The parcel(s) described hereon does (do) not lie within any flood hazard areas as defined by FEMA through its NFIP as reflected on either the FHBM or FIRM maps, as amended from time to time.

20. The property has a total of 70 on-site parking spaces, of which 4 are reserved for the physically challenged.

21. This is to certify that this map or pat and the survey on which it is based were made (i) in accordance with "Minimum Standard Detail Requirements for ALTA/ASCM Land Title Survey," jointly established and adopted by ALTA and ACSM in 1992, and includes Items 2,3,6,7(a), 7(b)(1), 7(c), 8, 9, 10, 11, 13 and 14 of Table A thereof, and (ii) pursuant the Accuracy Standards (as adopted by ALTA and ACSM and in effect on the date of this certification) of a(n) [insert "Urban, Suburban," "Rural," or "Mountain/Marshland" here] urban, suburban Survey.

Dated: 1/13/97

TVGA Engineering, Surveying, P.C.
[Survey Company]

By: Thomas C. Carleton

Name: Thomas C. Carleton, P.L.S.
Title: Survey Manager

[Seal of professional registered engineer or registered land surveyor]

NIAGARA (99' R.O.W.) STREET

VIRGINIA (WIDTH AS SHOWN) STREET

SEVENTH (WIDTH AS SHOWN) STREET

AREA = 1.27± ACRES

N. 89°-54'-00" W. 334.61'

S. 89°-53'-50" E. 99.00'

N. 00°-03'-47" E. 124.00'

S. 00°-00'-00" W. 183.05'

S. 89°-54'-00" E. 235.41'

N. 00°-03'-46" E. 59.05'

S. 89°-53'-50" E. 99.00'

BLACKTOP PARKING

7 REGULAR SPACES

10 REGULAR SPACES

6 REGULAR SPACES

4 HANDICAP SPACES

2 REGULAR SPACES

CONCRETE WALK

DRIVE-THRU OVERHANG

CONCRETE PAD

DUMPSTER AREA

7.0' HIGH BY 0.67' WIDE CONCRETE BLOCK WALL

BLOCK WALL 2.1' S.E.

CONCRETE 2.4' S.E.

CURBING @ PARKING LOT 1.3' S.E.

CURBING @ PARKING LOT 0.1'S.E., 0.9'S.W.

CURBING @ PARKING LOT 3.7' S.W.

CURBING @ PARKING LOT 3.9' S.W.

CURBING @ PARKING LOT 2.4' S.W.

CURBING @ PARKING LOT 2.0' S.W.

CURBING @ PARKING LOT 4.2' S.E., 2.6' S.W.

CURBING @ PARKING LOT 4.7' S.E., 1.2' N.E.

6" CONCRETE CURB

CONCRETE CURBING

CONCRETE APRON

SIDEWALK

12" WATER

RIGHT OF WAY

SET REBAR

FOUND REBAR

END FENCE 1.2'S.E., 1.3' S.W.

END FENCE 0.9' S.W.

END FENCE 0.7'S.W.

END FENCE 0.4'S.W.

END FENCE 0.6'S.W.

END FENCE ON LINE

END FENCE 2.6'S.E.

END FENCE 2.0'S.E.

END FENCE 3.4'S.E.

END FENCE 4.2'S.E., 0.9'N.E.

END FENCE 3.9'S.E.

END FENCE 0.4'S., 0.9'E.

END FENCE 1.9'N.W.

END CURB 4.7'S.E.

SET CUT IN CONCRETE

FENCE CORNER 2.2'S.E., 0.6'S.W.

POINT OF BEGINNING

90°02'13"

89°57'46"

90°06'00"

HYD.

SIGN

M.H. MANHOLE

SEWER MAN HOLE RIM SEALED

CONCRETE CURB

CONCRETE C&F N.E.

CONCRETE CORNER

6" WATER LINE

UTILITY POLE 0.9' N.W.

UTILITY POLE 0.2' S.W.

UTILITY POLE 0.7' S.W.

UTILITY POLE ON LINE, 2.7'NW

UTILITY POLE BY EASEMENT TO NYNEX AND NIAGARA MOHAWK POWER CORPORATION BY LIBER 10889, PAGE 8937 SHOWN AS POLE No. 365R

UTILITY POLE BY EASEMENT TO NYNEX AND NIAGARA MOHAWK POWER CORPORATION BY LIBER 10889, PAGE 8937 SHOWN AS POLE No. 3648, ALSO BY LIBER 7781, PAGE 296

UTILITY POLE BY EASEMENT TO NYNEX AND NIAGARA MOHAWK POWER CORPORATION BY LIBER 10889, PAGE 8937 SHOWN AS POLE No. 7778, ALSO BY LIBER 7599, PAGE 520

UTILITY POLE BY EASEMENT TO NYNEX AND NIAGARA MOHAWK POWER CORPORATION BY LIBER 10889, PAGE 8937 SHOWN AS POLE No. P.273R

UTILITY POLE BY EASEMENT TO NYNEX AND NIAGARA MOHAWK POWER CORPORATION BY LIBER 10889, PAGE 8937 SHOWN AS POLE No. P.289R

UTILITY POLE BY EASEMENT TO NYNEX AND NIAGARA MOHAWK POWER CORPORATION BY LIBER 10889, PAGE 8937 SHOWN AS POLE No. P.268R

UTILITY POLE BY EASEMENT TO NYNEX AND NIAGARA MOHAWK POWER CORPORATION BY LIBER 10889, PAGE 8937 SHOWN AS POLE No. P.281R

UTILITY POLE BY EASEMENT TO NYNEX AND NIAGARA MOHAWK POWER CORPORATION BY LIBER 10889, PAGE 8937 SHOWN AS POLE No. P.340R

PROPOSED BURIED CABLE AND CONDUIT FOR NEW YORK TELEPHONE COMPANY PER LIBER 10880, PAGE 2284

EXISTING BURIED CABLE AND CONDUIT TO NIAGARA MOHAWK POWER CORPORATION BY LIBER 7781, PAGE 296

OVERHEAD GUY WIRE AS SHOWN ON AN EASEMENT TO NYNEX AND NIAGARA MOHAWK POWER CORPORATION BY LIBER 10889, PAGE 8937

O.H.W.

CORNER OF CONCRETE WALL 0.31' N.W., 0.74' N.E.

FOUND "+" CUT ON WALL

1' WIDE BY 1.5' HIGH CONCRETE RETAINING WALL

PARALLEL WITH NIAGARA STREET

REPUTED OWNER
RONALD & RANDY
AND
DAVID BALDAUF
S.B.L. 110.35-6-1.1
LIBER 10008, PAGE 485

REPUTED OWNER
RITE AID OF NEW YORK, INC.
TAX MAP I.D. NUMBER
110.36-1-PART OF 8,9,10, AND
ALL OF 11,12,13,14,15,16,17

NO. 350
BRICK AND BLOCK BUILDING
BUILDING AREA 11,144± SQUARE FEET
(RITE AID)
(STORE NO. 497)

CONCRETE BLOCK BUILDING

REPUTED OWNER
JOSEPHINE LACORTE
S.B.L. 110.36-1-11
LIBER 9964, PAGE 118

PROPERTIES UNDERGOING TRANSFER IN OWNERSHIP
UNABLE TO DETERMINE OWNERS

SOUTHWESTERLY LINE OF BLOCK 49

NORTHEASTERLY LINE OF SEVENTH ST. AS A 99' WIDE ROW

RIGHT OF WAY AS ORIGINALLY LAID OUT

RIGHT OF WAY AS NOW LAID OUT

235.30' MEAS.

99.00'

88.00'

SURVEYOR'S CERTIFICATE

1/10/97

I, THOMAS J. CARLETON, REGISTERED LAND SURVEYOR, DO HEREBY CERTIFY TO THE AFORESAID PARTIES AS OF THE DATE SET FOURTH ABOVE THAT I HAVE MADE A CAREFUL SURVEY OF A TRACT OF LAND DESCRIBED AS FOLLOWS:

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF BUFFALO, COUNTY OF ERIE, AND STATE OF NEW YORK, BEING PART OF BLOCK 49 AND MORE FURTHER BOUNDED AND DESCRIBED AS FOLLOWS:

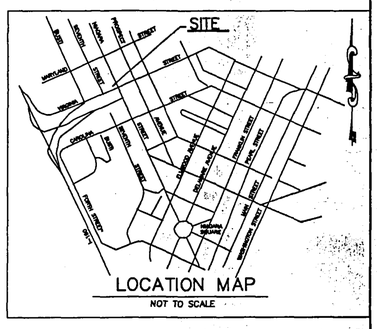
BEGINNING AT A POINT AT THE INTERSECTION OF THE SOUTHWESTERLY LINE OF NIAGARA STREET (99' R.O.W.) AND THE NORTHWESTERLY LINE OF VIRGINIA STREET AS A (66' R.O.W.);
THENCE NORTHWESTERLY ALONG THE SOUTHWESTERLY LINE OF NIAGARA STREET ALONG A BEARING OF N. 89°-54'-00" W., A DISTANCE OF 334.61' TO A POINT;
THENCE SOUTHEASTERLY ALONG A BEARING OF S. 00°-00'-00" W., A DISTANCE OF 183.05' TO A POINT BEING 99.00' FROM THE NORTHEASTERLY LINE OF SEVENTH STREET AS A (66' R.O.W.);
THENCE SOUTHEASTERLY ALONG A BEARING OF S. 89°-54'-00" E., AND ALONG A LINE PARALLEL WITH THE SOUTHWESTERLY LINE OF NIAGARA STREET A DISTANCE OF 235.41' TO A POINT;
THENCE NORTHEASTERLY ALONG A BEARING OF N. 00°-03'-46" E., A DISTANCE OF 59.05' TO A POINT;
THENCE SOUTHEASTERLY ALONG A BEARING OF S. 89°-53'-50" W., A DISTANCE OF 99.00' TO A POINT ON THE NORTHWESTERLY LINE OF VIRGINIA STREET AS A (66' R.O.W.);
THENCE NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF VIRGINIA STREET ALONG A BEARING OF N. 00°-03'-47" W., A DISTANCE OF 124.00' TO THE POINT OF BEGINNING, CONTAINING 1.27 ACRES OF LAND MORE OR LESS.

1. THE ACCOMPANYING SURVEY WAS MADE ON THE GROUND AND SHOWS THE LOCATION OF ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SITUATED ON THE ABOVE PREMISES; THAT THERE ARE NO VISIBLE ENCROACHMENTS ON THE SUBJECT PROPERTY OR UPON ADJACENT LAND ABUTTING SAID PROPERTY EXCEPT AS SHOWN HEREON;
2. PROPERTY IS ZONED C-1 NEIGHBORHOOD BUSINESS DISTRICT
3. THE PROPERTY HAS DIRECT ACCESS TO NIAGARA STREET, AND VIRGINIA STREET A DEDICATED PUBLIC STREET OR HIGHWAY.
4. THE TOTAL NUMBER OF PARKING SPACES IS 70 INCLUDING 66 REGULAR AND 4 HANDICAP;
5. SAID PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE C DESIGNATION BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), WITH A DATE OF IDENTIFICATION OF NOVEMBER 18, 1981 FOR COMMUNITY No. 360230 0020 B IN ERIE COUNTY, STATE OF NEW YORK, WHICH SAID PREMISES IS SITUATED;
6. THIS MAP OR PLAT AND THE SURVEY DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND ACSM IN 1992 AND MEETS THE ACCURACY REQUIREMENTS OF AN URBAN SURVEY DEFINED THEREIN.
7. SOME DRIVES, CURBS, UTILITIES, ETC., MAY NOT BE LOCATED DUE TO SEVERE SNOW AND/OR ICE CONDITIONS.
8. ALL BEARINGS BASED ON AN ASSUMED BEARING SYSTEM.
9. PREMISES MAY OR MAY NOT BE AFFECTED BY AN EASEMENT TO NEW YORK TELEPHONE BY LIBER 8880, PAGE 183, THIS EASEMENT DOES NOT CONTAIN ANY SPECIFIC INFORMATION ON THE LOCATION OF THE EASEMENT, IT ONLY PERTAINS TO RIGHTS TO LAY OR MAINTAIN UTILITY STRUCTURES FOR 364 NIAGARA STREET;
10. THE PROPERTY DESCRIBED HEREON IS A PORTION OF THE PROPERTY AS DESCRIBED IN FIRST AMERICAN TITLE INSURANCE COMPANY OF NEW YORK POLICY NUMBER 905-E-36,479 DATED FEBRUARY 8, 1997 AND THAT ALL EASEMENTS, COVENANTS AND RESTRICTIONS REFERENCED IN SAID TITLE COMMITMENT OR APPARENT FROM A PHYSICAL INSPECTION OF THE SITE OR OTHERWISE KNOWN TO ME HAVE BEEN PLOTTED HEREON OR OTHERWISE NOTED AS TO THEIR EFFECT ON THE SUBJECT PROPERTY.

THOMAS J. CARLETON, P.L.S. # 050117

LEGEND

- GAS VALVE
- TRAFFIC CONTROL BOX
- LIGHT POST
- WATER SERVICE BOX
- SANITARY STORM MAN HOLE
- CATCH BASIN (D.I.)
- TELEPHONE MAN HOLE
- TRAFFIC FLOW
- FENCE (IRON)
- O.H.W. — OVER HEAD WIRES
- UTILITY POLE
- GUIDE WIRE
- STORE SIGN
- FENCE (WOOD STOCKADE)
- FIRE HYDRANT
- CLEAN OUT



LOCATION MAP

NOT TO SCALE

PART OF BLOCK 49
PART OF L ____ S ____ T ____ R ____ OF THE ____
VILLAGE OF ____ ; CITY/TOWN OF BUFFALO ; COUNTY OF ERIE ; STATE OF NEW YORK

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY, DRAWING, DESIGN, SPECIFICATION, PLAN OR REPORT IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

REVISION		
DATE	JOB	DESCRIPTION

SBL NO. AS NOTED

TVGA ENGINEERING, SURVEYING, P.C.
ENGINEERS ● SURVEYORS ● PHOTOGRAMMETRISTS
1000 MAPLE ROAD, P.O. BOX H
ELMA, NEW YORK 14059
TEL.(716) 655-TVGA
FAX (716) 655-0637

DRAWN BY	TAP	SCALE	1"= 20'
CHECKED BY	TJC	DATE	1-13-97
ACAD FILE		JOB NO	978009
BOOK	360	PAGE	97
MAP	55147-8		

APPENDIX H
CHAIN OF TITLE / ENVIRONMENTAL LIENS

Not provided

APPENDIX I
CORRESPONDENCE

Real Property Information

Parcel Status	ACTIVE	**City\Town**	Buffalo	**Village**	
S-B-L	110.36-1-5.11	**Owner**	WEC 97A-7 INVESTMENT		
Property Location	350 NIAGARA	**Mailing Address**	TRUST		
Property Class	484 1 USE SM BLD	**Line 2**	C/O ATTN: RITE AIDE # 497		
Assessment	720000	**Line 3**			
Taxable	720000	**Street**	PO BOX 3165		
Desc	NW COR VIRGINIA	**City/State**	HARRISBURG PA		
Desc		**Zip**	17105		
Deed Book	10914	**Deed Page**	8336		
Frontage	335	**Depth**	183	**Acres**	0
Year Built		**Square Ft**			
Beds		**Baths**			
FirePlace		**School**	BUFFALO SCHOOL DIST		

History Link Taxes

Google maps Click Here

Owner Name {Last Name First} or

Property Address No./ Street

S-B-L

Search All Submit Query Clear Form

Real Property Information

Parcel Status	ACTIVE	**City\Town**	Buffalo	**Village**	
S-B-L	110.36-1-5.12	**Owner**	RITE AID OF NEW YORK INC		
Property Location	275 SEVENTH	**Mailing Address**			
Property Class	330 VACANT COMM	**Line 2**			
Assessment	23000	**Line 3**			
Taxable	23000	**Street**	PO BOX 3165		
Desc	99 N OF VIRGINIA	**City/State**	HARRISBURG PA		
Desc		**Zip**	17105		
Deed Book	10884	**Deed Page**	3234		
Frontage	234	**Depth**	99	**Acres**	0
Year Built		**Square Ft**			
Beds		**Baths**			
FirePlace		**School**	BUFFALO SCHOOL DIST		

History Link Taxes

Google maps Click Here

Owner Name {Last Name First} or

Property Address No./ Street

S-B-L

Search All Submit Query Clear Form

****
*** FAX TX REPORT ***
****

TRANSMISSION OK

JOB NO.	0708
DESTINATION ADDRESS	17168515043
SUBADDRESS	
DESTINATION ID	
ST. TIME	11/05 12:53
TX/RX TIME	01'01
PGS.	2
RESULT	OK

Property Solutions Inc.

Environmental & Engineering Consulting

31A Northfield Avenue • Edison, New Jersey 08837 • Phone 732-417-0999 • Fax 732-417-0626

November 5, 2013

Buffalo Permits Department
301 City Hall, Buffalo, NY, 14202
716-851-4926 - phone
716-851-5043 – fax

Re: Rite Aid
350 Niagara Street
Parcel #140200-110-360-0001-005-110
Buffalo, Erie County, New York, 14201
Property Solutions Inc Project #20134183

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Property Condition Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request the following information:

1. Copies of any records of outstanding or open building or fire code violations at the property.
2. Copies of any building permits or any open building permits at the property.
3. Copies of Certificates of Occupancy for the property.

If you have any questions, please call me at 732-417-0999, or email me at Sali@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 732-417-0626. Thank you for your assistance.

Sincerely,

Salisha Ali
Office Manager
Property Solutions INC.
31A Northfield Avenue
Edison New Jersey 08837
☎ 732-417-0999 ext. 201

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 5, 2013

Buffalo Strategic Planning Department
901 City Hall
Buffalo NY 14202
Phone: (716) 851-4769
Fax Number: 716-851-0172
Email:bmehaffy@city-buffalo.com

Re: Rite Aid
350 Niagara Street
Parcel #140200-110-360-0001-005-110
Buffalo, Erie County, New York, 14201
Property Solutions Inc Project #20134178

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request information on the following:

- **Any known or suspected potential environmental issues at the property or area of the subject property**
- **Historical use of the subject property**
- **Any special requirements per planning / zoning due to potential environmental concerns in the area**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 5, 2013

Buffalo Fire Headquarters
195 Court Street
Buffalo, New York 14202
(716) 851-5333

Re: Rite Aid
350 Niagara Street
Parcel #140200-110-360-0001-005-110
Buffalo, Erie County, New York, 14201
Property Solutions Inc Project #20134178

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request information on the following:

- **Outstanding fire code violations associated with storage / handling / use of flammable or hazardous materials**
- **Fires or spills**
- **Permits for Underground or Aboveground Storage Tanks (UST/AST), installation or removal**
- **Any known storage of hazardous materials or petroleum products**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

****
*** FAX TX REPORT ***
****

TRANSMISSION OK

JOB NO.	0710
DESTINATION ADDRESS	17169616880
SUBADDRESS	
DESTINATION ID	
ST. TIME	11/05 12:56
TX/RX TIME	00' 20
PGS.	1
RESULT	OK

Property Solutions INC.
Environmental & Engineering Consulting
323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 5, 2013

Eric County Department of Health (ECDOH)
Environmental Health Division
503 Kensington Avenue
Buffalo, NY 14214
Phone: (716) 961-6800
Fax: (716) 961-6880

Re: Rite Aid
350 Niagara Street
Parcel #140200-110-360-0001-005-110
Buffalo, Erie County, New York, 14201
Property Solutions Inc Project #20134178

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- **Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property**
- **Lead based paint information, issues, or lead poisonings reported at the property**
- **Asbestos information, removal, or abatement at the property**
- **Environmental health code violations**
- **Permits for the installation or decommissioning of drinking water wells & septic systems**
- **Water supply concerns**

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

☐ No Files for subject property or address
Name: _____
Title: _____

****
*** FAX TX REPORT ***
****

TRANSMISSION OK

JOB NO.	0711
DESTINATION ADDRESS	17168498467
SUBADDRESS	
DESTINATION ID	
ST. TIME	11/05 12:57
TX/RX TIME	00' 21
PGS.	1
RESULT	OK

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 5, 2013

Erie County Water Authority
295 Main St.; Room 350
Buffalo, NY 14203-2494
716-849-8444
Fax 716-849-8467

Re: Rite Aid
350 Niagara Street
Parcel #140200-110-360-0001-005-110
Buffalo, Erie County, New York, 14201
Property Solutions Inc Project #20134178

To Whom It May Concern:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine the water and sewer provider of the subject property.

If the **Erie County Water Authority** is indeed the water and sewer provider, please provide me with the following information:

- Date of water connection
- Water violations
- Date of municipal sewer connection
- Special sewer discharge permits

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

☐ No Files for subject property or address
Name: _____
Title: _____

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 5, 2013

New York State Electric and Gas
150 Erie Street,
Lancaster NY 14086
(800) 572-1111
www.nyseg.com

Re: Rite Aid
350 Niagara Street
Parcel #140200-110-360-0001-005-110
Buffalo, Erie County, New York, 14201
Property Solutions Inc Project #20134178

To Whom It May Concern:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we verify that **NYSEG** provides power to the subject property. Property Solutions Inc also requests information regarding the PCB content (or if manufactured as non-PCB) and records of leaks, fires or explosions in regard to any current or previous transformers located at the property.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 5, 2013

State of New York
Department of Environmental Conservation
625 Broadway
Albany, NY 12233-1500
ATTN: FOIL Officer
Phone: (518) 402-9522
Fax: (518) 402-9018
Email: foil@gw.dec.state.ny.us (USE EMAIL)
Website: http://www.dec.ny.gov/index.html

Re: **Rite Aid**
350 Niagara Street
Parcel #140200-110-360-0001-005-110
Buffalo, Erie County, New York, 14201
Property Solutions Inc Project #20134178

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any AST / UST, PCBs, spills / releases, petroleum and hazardous materials use, storage, or disposal activities, vapor intrusion, contaminated groundwater, solid waste disposal, asbestos, deed notices, and activities and use limitations.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

Property Solutions INC.
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

November 5, 2013

Buffalo Water Authority
Billing & Customer Service
Veolia Water
281 Exchange Street
Buffalo, NY 14204

Re: Rite Aid
350 Niagara Street
Parcel #140200-110-360-0001-005-110
Buffalo, Erie County, New York, 14201
Property Solutions Inc Project #20134178

To Whom It May Concern:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine the water and sewer provider of the subject property.

If the **Erie County Water Authority** is indeed the water and sewer provider, please provide me with the following information:

- Date of water connection
- Water violations
- Date of municipal sewer connection
- Special sewer discharge permits

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

☐ No Files for subject property or address
Name: _____
Title: _____
Phone: _____

X _____ _____
Signature Date

2012 SUPPLEMENT For Calendar Year 2011
ANNUAL WATER QUALITY REPORT
BUFFALO WATER AUTHORITY / OPERATED BY VEOLIA WATER
PWS ID # NY1400422

Mayor
City of Buffalo
Byron W. Brown

Commissioner of Public Works
STEVEN J. STEPNIAK

Principal Engineer
Peter Merlo

Buffalo Water Board

Oluwole McFoy - Chairperson
Donna Estrich - Vice Chairperson
Gerald E. Kelly – Board Member
William Sunderlin– Board Member

Veolia Water Managers

Timothy Cupo – Project Manager



Buffalo's Water Front

Water Is Life
Don't Waste It!

Table of Contents

- Buffalo Water Board /Service #
- Introduction
- Abbreviations & Definitions
- History of Water Treatment
- SWAP Report
- Formation of the Great Lakes
- Raw Water Source
- Water Treatment
- Water Treatment Schematic
- Water Distribution
- Customer Costs
- Facts About Cryptosporidium
- Facts About Giardia
- Facts About Radon
- Aesthetic Qualities
- Zebra/Quagga Mussels
- Metering Program
- Water Conservation
- Water Savings Tips
- More Water Savings Tips
- Consumer Tips
- FAQ – Water Quality
- FAQ – Meters & Billing
- 2011 System Improvements
- 2012 Planned System Improvements
- Are there contaminants in our Drinking Water?
- 2011 Table of Detected Contaminants
- What does this information mean?
- 2011 Raw Water Data
- Undetected Contaminants
- Is our Water System meeting other rules that govern operations?
- Closing

BUFFALO WATER BOARD INFORMATION

Oluwole McFoy — **Chairperson**

Donna Estrich — **Vice Chairperson**

Board Members

Gerald E. Kelly

William Sunderlin

Important Service Numbers

Billing Office	**716 – 847 - 1065**	**For billing questions & service problems**
Customer Service		
Dispatch	**716 – 851 - 4747**	**To Report Leaks**
	716 – 851 - 4748	
	716 – 851 - 4749	
Meter Installations	**716 – 847 - 1065**	
Meter Repair		
Service Inspections		**Final reads on meter**
Water Treatment Plant	**716 – 851 – 4720**	
Water Treatment Plant Laboratory	**716 – 851 - 4704**	**Water quality complaints & questions**
Water Treatment Supervisor	**716 – 851 - 4726**	
Erie County Dept. of Health	**716 - 961-6800**	**For health issues**
City of Buffalo Web site: http://www.ci.buffalo.ny.us/		

Billing & Customer Service
281 Exchange Street
Buffalo, NY 14204

Water Treatment Plant
2 Porter Avenue
Buffalo, NY 14201
PWS ID # NY1400422

Introduction

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien

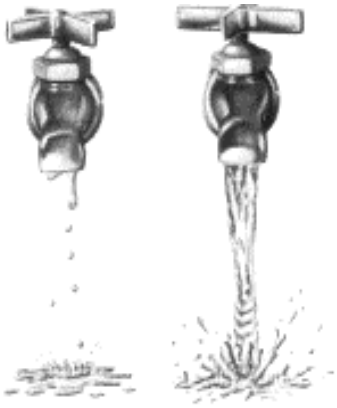
To comply with State regulations, the Buffalo Water Authority operated by Veolia Water will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding about drinking water and awareness of the need to protect our drinking water source. The following is the 18th annual water quality report prepared by the Buffalo Water Authority.

Last year, your tap water met all State drinking water standards. We are proud to report that our system did not violate a maximum containment level. This report provides an overview of last years water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards. We are pleased to provide you with this information because informed customers are our best customers.

If you have any questions about this report or concerning your drinking water, please contact:

Leonard Milioto
Water Treatment Supervisor
2 Porter Ave, Buffalo, NY 14201
Tel: (716) 851-4726, Fax: (716) 851-4672

We want you to be informed about your drinking water. If you want to learn more, please attend any regularly scheduled Water Board meetings, held the second Wednesday of each month at 9AM, Room 502 – City Hall.



For Health Issues contact:
Erie County Health Department
95 Franklin Street
Buffalo, NY 14202
(716) 961-6800

Abbreviations & Definitions

AL (Action Level): The concentration of a contaminant, which, if exceeded, triggers a treatment or other requirement, which a water system must follow.

Polymer: A long-chained, compound used to concentrate debris into sludge.

Backwash, Backwash Water: A backward flow of water through a filter bed, allowing trapped debris and floc to be cleared from the filter media.

Backwash Station: An area, just downstream from the equalization station, where backwash water, from the filter cleaning process, is pumped to the Thickener Tanks.

Chlorine: A highly reactive gas, used as a disinfectant in water treatment.

Clearwell: A finished water storage area. Filtered water enters the Clearwell from the filter beds. Clearwell water is pumped to the distribution system, once it is treated with orthophosphate.

Coagulant: A material, such as PACl (polyaluminum chloride), which will form a precipitate in water, and cause the agglomeration of finely divided particles into larger particles, which can then be removed by settling and/or filtration.

Coliform, Coliform bacteria: A group of bacteria that are normally abundant in the intestinal tracts of human and other warm-blooded animals and are used as indicators (being measured as the number of individuals found per 100 milliliter of water) when testing the sanitary quality of water.

Contaminant: Any physical, chemical, biological, or radiological substance or matter in water that may be harmful to human health or which degrades the palatability of water.

Decant: The draw off from the upper layer of liquid after the heaviest material has settled

Disinfection, Disinfectant: is a treatment, which destroys or renders inactive, harmful microorganisms (bacteria, viruses and cysts) to levels, deemed to be safe by public health standards; viable microorganisms may still be present.

Disinfection By-Products (DBP): Byproducts of the disinfection of water by chlorine and chlorine compounds. DBP are regulated by the EPA because they are considered harmful in concentrated amounts. Trihalomethanes (THM's) and Halogenated Acetic Acids (HAA's) are among the most regulated DBP's.

Distribution System: The system of pipes and valves supplying water to communities and industries.

Abbreviations & Definitions continued …

Equalization Basin: An area upstream from the filter beds that collects backwash water from the filter cleaning process. The backwash contents from the equalization basin are directed into the backwash station.

Filter Beds: 40 rapid, anthracite sand, filters designed to remove undissolved or suspended particles from water by recirculating the water through anthracite media. Filtered water is directed into the Clearwell to await distribution demand.

Filter Aid: A nonionic polymer or a positively charged coagulant such as polyaluminum chloride used to "tighten" filters, and improve filtration. A filter aid is only used, when necessary.

Floc: The clumps or tufts formed when suspended particles combine with chemical substance or compound that promotes the combination, agglomeration, aggregation or coagulation of suspended particles in the water.

Flocculation Chambers: Chambers with large, slow moving paddles. The slow mixing action promotes floc formation.

Fluoride: Sodium silicofluoride, a fluoride compound added to drinking water, to promote dental health.

HAA (Halogenated Acetic Acids): Organic compounds, which are disinfection by-products of the chlorination of drinking water, currently the EPA lists HAA's as a health advisory

Intake: A structure located in the Emerald Channel at the Northeastern portion of Lake Erie, just downstream from the Niagara River, which provides source water for Buffalo Water Authority's water treatment process.

Low Lift Pumps: Centrifugal pumps that direct water from the raw water conduit to the underground flocculation and settling basins.

MCL (Maximum contaminant level): The highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG (Maximum contaminant level goal): The level of contaminant in drinking water below which there is no known or expected risks to health, MGLGs allow for a margin of safety.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant (chlorine) allowed in drinking water (4.0 ppm). There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Abbreviations & Definitions continued …

n/a (NA): Not any. NLS: No limit set. ND: Not Detected.

NTU (Nephelometric Turbidity Units): A measure of clarity (turbidity) of water; turbidity in excess of 5NTU is just noticeable to the average person.

Ortho- phosphate: A chemical blend used as a TT (Treatment Technique) used to reduce the level of lead and copper contamination in drinking water.

Nonionic polymer: A long-chained, non-charged compound used to concentrate debris into sludge, and may also used as a filter-aid, in the water treatment process

Pathogenic: Disease causing
ppb: Parts per billion, or micrograms per liter **(µg/L**).

ppm: Parts per million, or milligrams per liter (**mg/L**).

Polyaluminum Chloride (PACl) A coagulant used in water treatment, used to form floc and also used as a filter-aid, in the water treatment process. PACl 50 has 50% basicity.

Potable water: water of a quality suitable for drinking, which meets drinking water standards.

Rapid Mix (Chemical Induction Unit): A structure designed to mix chemicals in the treated water conduit.

Raw Water: Lake Erie water, used by the Buffalo Water Authority as its source water.

Raw Water Conduit: Large metal pipe bringing untreated lake water from the intake to the onshore screen house, then to the chemical treatment points at the water treatment plant.

Screen House: An onshore treatment building containing a series of large, traveling screens. These screens are designed to remove large objects and debris from lake water prior to chemical water treatment.
Sedimentation, Settling: The process of suspended solid particles settling out (going to the bottom of the vessel) in water.

Settling Basins: Large, underground basins allowing heavy floc to settle out of treated water, prior to filtration. The Buffalo Water Authority has 2 settling basins, north & south.

Sludge: Concentrated backwash floc. Sludge is directed to an onsite lagoon.

Source Water: See Raw Water.

Abbreviations & Definitions continued….

Thickening Tanks: An onsite backwash treatment facility designed to concentrate and separate filter backwash into its' sludge and decant components. The Thickening Tanks use a nonionic polymer and settling tubes to treat filter backwash.

TOC (Total Organic Carbon); SUVA (Specific Ultraviolet Absorption); DOC (Dissolved Organic Carbon); UV_{254}: A measure of the organic content of the water. This is a precursor to disinfection by-product when combined with the chlorination of drinking water

Treated Water Conduit: Large metal pipe directing chemically treated water to various stages of the water treatment process.

TT (Treatment Technique): A required process intended to reduce the level of contamination in drinking water.

;

TTHM (Total Trihalomethane): Organic compounds, which are disinfection by-products of the chlorination of drinking water. Some people who drink water with TTHMs in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.

Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. State regulations require that turbidity must always be below 5 NTU. The regulations require that 95% of the turbidity samples collected have measurements below 0.5 NTU.

Washwater Tanks: Tanks, holding potable water, used to backwash filter beds.

Weir: is a structure that extends across the width of a channel and is used to impound, measure, or in some way alter the flow of water through the channel.

90th % Value**:** The value reported for lead & copper represents the 90^{th} %. A % is a value on a scale of 100 that indicates the % of a distribution that is equal to or below it. The 90^{th} % is equal to or greater than 90% of the lead & copper values detected at your water system.

History of Water Treatment

We live on a water planet, covering over 70% of the earth's surface. Oceans contain 97 % of the Earth's water (by volume), which is too salty for drinking, irrigation or industrial use. That leaves 3% of earth's total water that's considered fresh water. About 2.997% of this fresh water is trapped in polar ice caps and deep within earth surface, which is too costly to extract. That leaves only .003% of earth's total available water by volume available for human use. If the world's water were contained in 100 liters or 26 gallons, then what is readily available to us would amount to one-half teaspoon.

Long before humans learned to rub two sticks together to make fire or took a hammer and chisel in hand to carve out the first wheel, they thirsted for pure drinking water. Evidence from almost all historical periods suggests that people took measures to ensure a fresh drink of water. But sometimes that drink came with more than its thirst quenching qualities.

Early humans thought that the taste and look of the water determined its purity, and they did not consider that even the best tasting, clearest water could contain disease-causing organisms. We know now that just because water tastes good, it is not necessarily safe to drink. However, the efforts of these water treatment pioneers were not in vain. It was through their trials and errors that we now know how to make water safe to drink.

4000 years ago, in India and parts of China, the Hindu's devised the first recorded drinking water standards. It directed its people to heat foul water by boiling it and exposing it to sunlight and by dipping a piece of hot copper seven times into the water, then to filter and cool in an earthen vessel. This enlightened treatment not only produced aesthetically acceptable water, but a disinfected potable source. This treatment was a directive intended for individuals and families, not a community water supply.

After 1500 BC, the Egyptians first discovered the principle of coagulation. They applied the chemical alum for suspended particle settlement. Pictures of this purification technique were found on the wall of the tomb of Amenophis II and Ramses II.

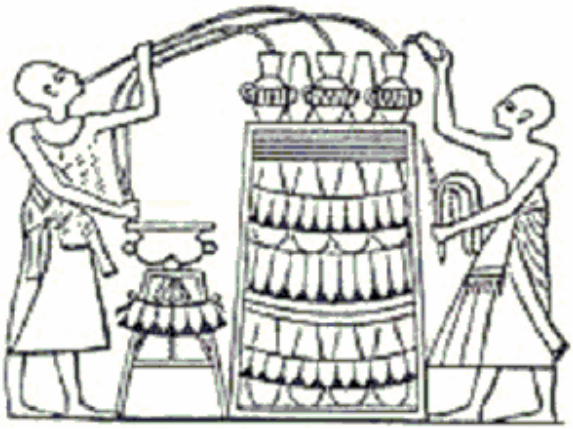
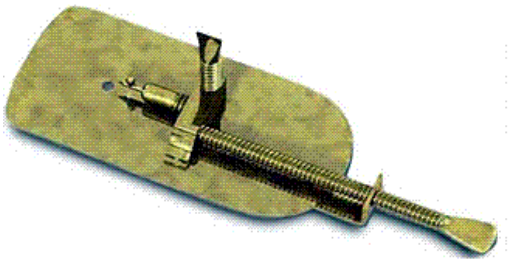


Image Caption: This ancient Egyptian clarifying device was found pictured on the wall of the tomb of Amenophis II at Thebes.

The inscription was carved in 1450 B.C.

History of Water Treatment (Continued)

After the fall of the Roman Empire, science and technology took a serious plunge. Municipal water often became a source of disease and epidemics, due to a lack of adequate treatment and serious misconceptions concerning water quality. Only after the Dark Ages, due to advances in science and technology, was there a realization that clean looking water was not necessarily safe water.



Van Leeuwenhoek Microscope

Before the invention of the microscope, the idea of microscopic life was unimagined. Even with that tool it still took over 200 years before a connection between microbes and disease was made. In the mid 19th Century it was proven that cholera was spread by contaminated waters. By the late 19th Century, Louis Pasteur developed the particulate germ theory of disease, which finally established a cause and effect relationship between microbes and disease.

Filtration of water was established as a method of clarifying water in the 18th Century. In 1832 the first municipal water treatment plant was built in Scotland. Unfortunately the aesthetic properties of the water were the major concerns of the time, while effective water quality standards remained absent until the late 19th Century.

In the US, municipal water systems originated as early as 1799, by 1860 over 400 were in service providing water to major cities and towns. Because water quality standard were lacking, these systems contributed to major outbreaks of disease by spreading pathogenic organisms.

In the 1890's effective water treatment techniques began to develop. Coagulation and rapid sand filtration were instituted, which significantly reduced both turbidity and bacteria in water supplies. Chlorination of water was eventually introduced in 1908. Finally a community's water supply could, in fact, be considered safe.

Buffalo's water system history began in 1827, when the Buffalo & Black Rock Jubilee Water Works was formed. It supplied well and spring water through an assemblage of wooden pipes. In 1852 the Buffalo Water Works Co. formed, and pumped its water from the Niagara River. The City of Buffalo purchased both companies in 1868 and began construction of an Intake and tunnel system in the Niagara River. This location proved unfortunate. River turbulence and shoreline pollution caused a public outcry for a new intake.

In 1913 this new intake was completed. It was located upstream from the original one, in Lake Erie's Emerald Channel. In 1914 Buffalo began chlorinating its delivered water, and in 1926 the Water Treatment Plant was built utilizing coagulation and filtration along with disinfection of its delivered water.

Source Water Assessment Program

A source water assessment was completed under the NYS DOH's Source Water Assessment Program (SWAP). The following is the Executive Summary of this report.

"The New York State Department of Health recently completed a draft Source Water Assessment of the raw water supply's source under the state's Source Water Assessment Program (SWAP). The purpose of this program is to compile, organize, and evaluate information regarding possible and actual threats to the quality of public water supply (PWS) sources. It is important to note that source water assessment reports estimate the potential for untreated drinking water sources to be impacted by contamination. These reports do not address the safety or quality of treated finished potable tap water.

The Great Lakes' watershed is exceptionally large and too big for a detailed evaluation in the SWAP. General drinking water concerns for public water supplies which use these sources include: storm generated turbidity, wastewater, toxic sediments, shipping related spills, and problems associated with exotic species (e.g. zebra mussels – intake clogging and taste and odor problems). The SWAP is based on the analysis of the contaminant inventory compiled for the drainage area deemed most likely to impact drinking water quality at this public water supply raw water intake. This assessment found a moderate susceptibility to contamination for this source of drinking water. The amount of agricultural lands in the assessment area results in elevated potential for protozoa and disinfection byproduct precursor contamination. There is also a high density of sanitary wastewater discharges which results in elevated susceptibility for nearly all contaminant categories.

There is also noteworthy contamination susceptibility associated with other discrete contaminant sources, and these facility types include: Toxics Release Inventory facilities, Chemical Bulk Storage facilities, inactive hazardous waste sites, landfills and Resource Conservation and Recovery Act facilities."

If you have any questions about the state's Source Water Assessment Program, please contact:

Erie County Health Department at 961-6800

For a complete copy of this report, contact the Erie County Health Department at 716- 961-6800.

Formation of the Great Lakes

One Billion Years Ago

About a billion years ago, a fracture in the earth running from what is now Oklahoma to Lake Superior generated volcanic activity that almost split North America. Over a period of 20 million years, lava intermittently flowed from the fracture creating mountains covering the regions now known as northern Wisconsin and Minnesota, and eastern Canada. Over time these mountains eroded, while occasional volcanic activity continued. Molten magma below the highlands of what is now Lake Superior spewed out to its sides, causing the highlands to sink and form a mammoth rock basin that would one day hold Lake Superior. Eventually the fracture stabilized and, over time, the rock tilted down from north to south.

5 Million Years Ago

The region went from fire to ice with the arrival of the glaciers, which advanced and retreated many times over the last 5 million years. During the periods of glaciation, giant sheets of ice flowed across the land, leveling mountains and carving out massive valleys. Where the glaciers encountered more resistant bedrock in the north, only the overlying layers were removed. To the south, the softer sandstones and shales were more affected. As the glaciers melted and began receding, their leading edges left behind high ridges, some of which can be seen today in the cliffs of Door County, Wisconsin, and the Bruce Peninsula in Ontario.

Huge lakes formed between these ridges from the retreating ice fronts, and continually changed over time as the ice sheet moved northward. Early drainage from these lakes flowed southward through the present Illinois River Valley toward the Mississippi River, through the Trent River Valley between present lakes Huron and Erie and through the Lake Nippissing-Ottawa River Valley from Georgian Bay on Lake Huron downstream to Montreal, Quebec.

As the ice retreated about 7,000 years ago, the Saint Lawrence Seaway established itself as the outlet to the Atlantic Ocean.

About 4000 years ago lake levels dropped to current levels and present day river and stream inlets and outlets developed.

Formation of the Great Lakes

One Continuous Channel Way





Four of the five Great Lakes are at different elevations, leading like a series of steps toward the Atlantic Ocean. The five individual lakes are connected to each other through channel ways, forming one system. Water continually flows from the headwaters of the Lake Superior basin through the remainder of the system.

The International Joint Commission, a binational agency established under the Boundary Waters Treaty of 1909 between Canada and the U.S., has the responsibility for regulation of flows on the St. Mary's and the St. Lawrence Rivers. These channels have been altered by enlargement and placement of control works associated with deep-draft shipping. Agreements between the U.S. and Canada govern the flow through the control works on these connecting channels.

RAW WATER SOURCE

IN GENERAL

The sources of drinking water (both tap and bottled) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive materials, and can pick up substances resulting from the presence of animal or human activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department and FDA's regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.



The source of all Buffalo's water is Lake Erie.

Our water source is Lake Erie (a surface water source) which is the southernmost of the Great Lakes, bounded on the north by the Canadian province of Ontario, on the south by the U.S. states of Ohio, Pennsylvania, and New York, and on the west by the state of Michigan. During 2011, our system did not experience any restriction of our water source.

Lake Erie is the shallowest of the Great Lakes, with an average depth of only 62-ft. It also has the shortest detention time of the Great Lakes. Water remains in the lake for only 2.6 years before it is replaced by fresh water (as compared with 191 years in Lake Superior or 22.6 years in Lake Huron). It is also the siltiest of the Great Lakes. Its bottom consists of fine sand, easily upset during turbulent storms. The combination of its shallowness, short detention time and sandy unstable bottom bestows a great asset upon this body of water. The lake is able to quickly flush itself of harmful contaminants such as pesticides and other organic wastes. When Lake Erie becomes turbulent, fine particles of sand and silt become agitated and suspended throughout the lake. Organic contaminants will tightly cling to these particles and will be quickly flushed from the lake. Therefore water treatment begins as a natural process due to the structure and makeup of Lake Erie.

Lake Erie Facts and Figures

Lake Erie is the 11th largest world lake - (4th largest Great Lake by surface area)
Length: 241 miles; Width: 57miles; Avg. Depth: 62'; Max Depth: 210'
Vol.: 116 miles^3; Elevation: 569'; Shoreline: 871miles; Surface area: 9,910 miles^2
Drainage Basin Area: 30,140 miles^2; Outlet: Niagara River & Welland Canal

Water Treatment



Buffalo's water intake is located in the northeastern region of Lake Erie, just before water enters the Niagara River. This region is known as the Emerald Channel, due to the sparkling clarity of its water. Water rushes into the intake through grates and collects in a circular pool where it drops 60 feet to a 12-foot diameter, mile-long tunnel burrowed under the lakebed. When necessary, chlorine may be added to the intake to control the spread of zebra and quagga mussels.

The water is gravity fed to an onshore screen house where traveling screens remove large objects such as sticks and other debris that can damage pumps. Gravity delivers the water through a conduit where chlorine may be added if the chlorine feed at the intake is suspended. Fluoride is also added at this conduit. Chlorine is used to disinfect the water, control zebra and quagga mussels and other organisms. Fluoride is added to guard against tooth decay.

At the discharge of the Low Lift Pumps polyaluminum chloride-50 (PAC-50) is added. PAC-50 is a chemical coagulant designed to cause fine particles in the water to bind together forming floc. Pumps mix and direct the water to a rapid mix where additional coagulants may be added to enhance coagulation. The flow is then directed to underground basins for flocculation and sedimentation.

At the flocculation area, the water is slowly mixed by mechanical paddles to enhance floc formation. This treated water then travels to the settling basins where the heavy floc is allowed to settle out by gravity. The water, still containing light floc, is directed over rapid sand filter beds where filtration occurs, removing fine floc. A filter aid (a polyaluminum chloride-50 (also known as PAC-50)) is added, when necessary, to enhance filtration. Additional chlorine may also be added here. This filtered water enters the Clearwell, where it is stored until needed in the distribution system.

The rapid sand filters occasionally need to be cleaned of trapped debris; this is done by backwashing the filters with potable water stored in our washwater tanks. To comply with EPA's Filter Backwash Recycle Rule the backwash water, containing filter bed debris, is recycled back to the raw water conduit after sludge production in the Thickening Tanks.

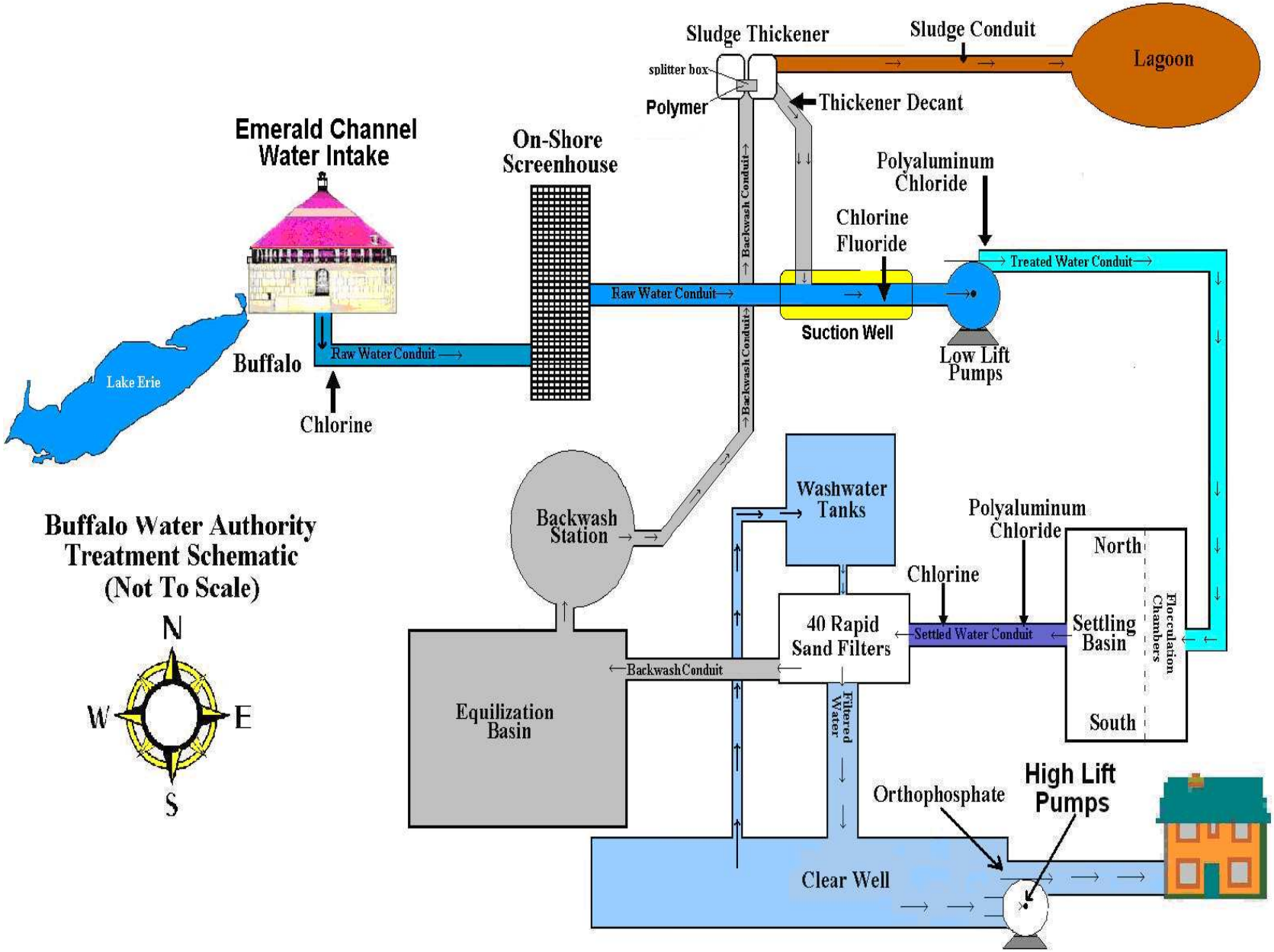
The Thickening Tanks concentrate the debris into sludge using a polymer and settling tubes. The sludge portion is directed by pumps to an onsite lagoon where further processing takes place before removal to a landfill. The decant portion is directed over a weir at the top of the Thickening Tanks to the Raw water conduit, where the water treatment process begins.

As the potable water leaves the clearwell, a corrosion control additive (a sodium ortho/polyphosphate chemical blend) is used. This serves as a shield against lead leaching into the water from aged residential water pipes and service lines. High lift pumps located at the Ward and Massachusetts Stations deliver the treated water to the community.

Our system is one of the many drinking water systems in New York State that provides drinking water with a controlled, low level of fluoride for consumer dental health protection. According to the United States Centers for Disease Control, fluoride is very effective in preventing cavities when present in drinking water at an optimal range. In January 2011, the CDC proposed lowering the target concentration of 1.0 ppm (optimal range 0.80 – 1.2 ppm) to 0.70 ppm (proposed optimal range 0.56 to 0.84 ppm). To ensure that the fluoride supplement in your water provides optimal dental protection, the State Department of Health requires that we monitor fluoride levels on a daily basis. During 2011 monitoring showed fluoride levels in your water were in the proposed optimal range 86% of the time. None of the monitoring results showed fluoride at levels that approach the 2.2 mg/l MCL for fluoride.

The quality and safety of the water is tested by an in house laboratory at every stage of the treatment process. The final product is pumped through the water mains to the community, where further tests are conducted from samples taken throughout the city, including private homes, businesses and public facilities ensuring that water continues to remain high in quality and safety, at your tap.

Water Treatment Schematic



Water Distribution



Water is essential for all life. Besides drinking, bathing and recreation, water is used to fight fire, and has countless industrial applications. The City of Buffalo treated almost 25 billion gallons last year with an average of 68 million gallons each day to a population of approximately 261 thousand people, covering 46 square miles of piping network. On our highest single day, February 28th, we treated over 86.2million gallons of water for distribution. This enormous network of pipes, valves, service connections and hydrants is maintained, day and night, throughout all seasons.

This water must be transported, after treatment, throughout the city. Pumps transport the treated water from a 28 million-gallon clear well, located below the filter beds, through two large conduits. The water travels through 800 miles of pipes and 25,000 valves to 80,000 service connections and 7,800 fire hydrants. In 2011 we have replaced or renovated approximately 1.8 miles of water mains.

Customer Costs

Our customer's billing rates are among the lowest in the state. **The average 2011 annual water bill was only $448.03 per year.** The total quarterly bill includes the cost of water used and the service charge. Senior Citizens receive a significant discount.

Water Usage (Gallons)	Price per 1000 gal	
	Regular	Seniors
Up to 74,798	$2.89	$1.74
74,799 - 269,299	$2.70	$1.61
Over 269,299	$2.06	60¢

Quarterly Service Charge For 2011				
Meter Size	Regular Rate	Senior Rate	Meter Size	Regular Rate
5/8"	$32.93	$16.20	3"	$493.84
¾"	$46.44	$24.40	4"	$823.03
1"	$82.36	$40.53	6"	$1,646.11
1½"	$164.64	$81.15	8"	$2,669.45
2"	$263.38	$129.64	10"	$3,786.10
Senior rates not applicable for meters over 2"				

Facts About Cryptosporidium

Cryptosporidium is a parasite that lives and multiplies in the intestines of warm-blooded animals. Its eggs are shed through feces, where they can enter lakes, reservoirs and other sources of drinking water. When exposed to adverse conditions, these eggs can form a spore so rugged that they become impervious to even concentrated bleach.

Once the spore is ingested, an intestinal illness called *Cryptosporidiosis* may result. The incubation period may range from 1 - 12 days. *Cryptosporidium* can be spread by person-to-person, or animal-to person contact, and by drinking contaminated water.

Human *Cryptosporidiosis* was first reported in 1976. The primary symptom is acute diarrhea. Other symptoms include abdominal pain, vomiting, headache, loss of appetite and a low-grade fever.

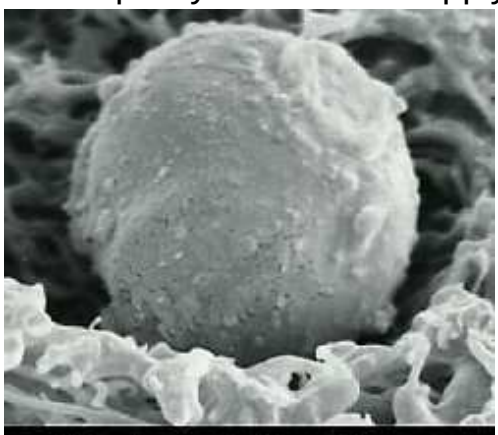
Some persons infected with *Cryptosporidium* will not become ill, but others may be especially susceptible to *Cryptosporidiosis*. In most individuals with normal immune systems, symptoms generally persist for two weeks or less. But immunocompromised persons, including individuals receiving chemotherapy and kidney dialysis patients, persons on steroid therapy, and those with Crohn's disease or HIV/AIDS, may have severe and long-lasting illness.

Properly operated water treatment procedures are effective in providing a barrier to *Cryptosporidium* and other pathogenic microorganisms from reaching the distribution system. Due to their high resistivity to chlorine, normal disinfection methods are ineffective against these parasites. Proper filtration of these small tough organisms, including the coagulation and sedimentation processes, is the most important vehicle in their control and elimination.

Cryptosporidium is spread through contact with fecal matter. One can minimize the risk of acquiring and spreading this parasite by cleansing hands after fecal contacts such as after toilet use, diaper changing and picking up pet waste. Since cattle are a common source, avoid drinking raw milk, and cleanse hands after contact with any farm animals. Avoid drinking unfiltered water, and comply with any water advisory issued by local and state authorities. If uncertain about the quality of a water supply, exposing water to a rolling boil for at least one minute will kill *Cryptosporidium*.

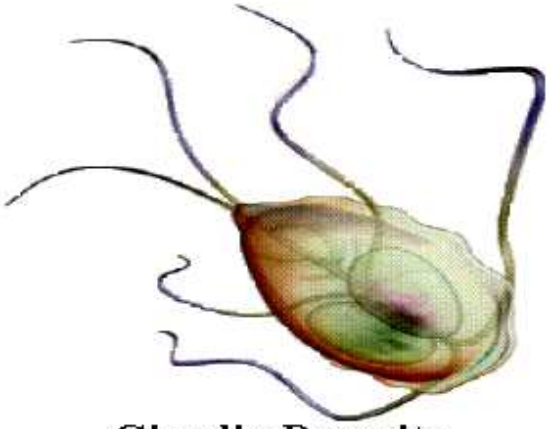
Bottled water, unless distilled or certified for cyst removal may contain *Cryptosporidium*. Current standards for bottled water do not guarantee that it be *Cryptosporidium*-free.

If home water filters are used, filters should have a pore size of less than 2 microns. Home filters should be certified for cyst removal by the National Sanitation Foundation (NSF; Standard #53).



Cryptosporidium Oocyst

Facts About Giardia



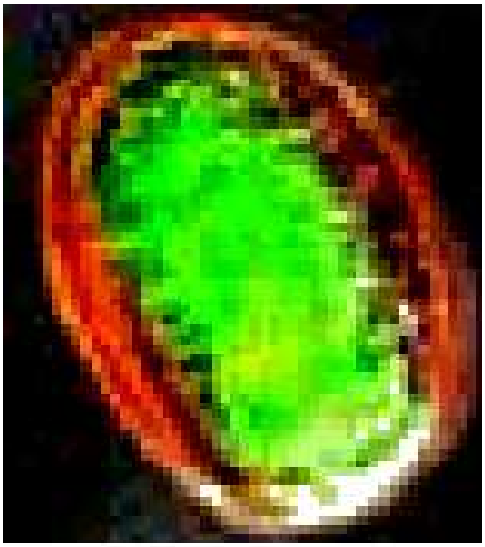
Giardia Parasite

Giardia is a microbial pathogen present in varying concentrations in many surface waters and ground water under the influence of surface water. It is removed/inactivated through a combination of filtration and disinfection or by disinfection.

Ingestion of Giardia may cause giardiasis, an intestinal illness. People exposed to Giardia may experience mild or severe diarrhea, or in some instances, no symptoms at all. Fever is rarely present. Occasionally, some individuals will have chronic diarrhea over several weeks, with significant weight loss. Giardiasis can be treated with anti-parasitic medication. Individuals with weakened immune systems should consult with their health care provider about what steps would best reduce their risks of becoming infected. Anyone who thinks they may have been exposed to Giardiasis should contact their health care provider immediately. The Giardia parasite is passed in the feces of an infected person or animal and may contaminate water or food. Person to person transmission may also occur in day care centers or other settings where hand-washing practices are poor**.**



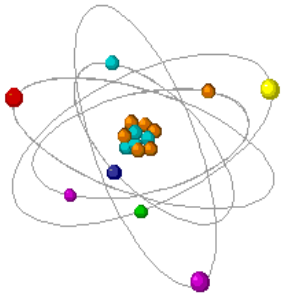
Giardia invading human intestines



Microscopic view of giardia

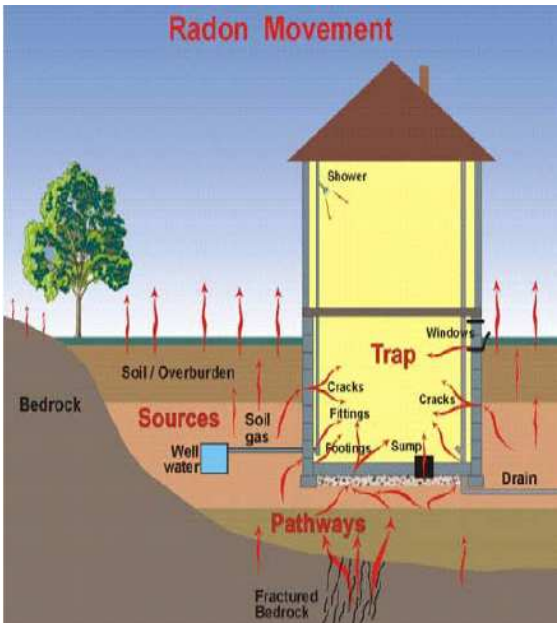
Facts About Radon

Radon is a naturally occurring radioactive gas that may cause cancer, and may be found in drinking water and indoor air. Some people who are exposed to radon in drinking water may have increased risk of getting cancer over the course of their lifetime, especially lung cancer.



Radon in soil under homes is the biggest source of radon in indoor air, and presents a greater risk of lung cancer than radon in drinking water.

Radon's Physical Properties



Radon, in this text, refers to the specific isotope $radon_{222}$. Radon is a naturally occurring gas formed from the radioactive decay of $uranium_{238}$. Low concentrations of uranium and its other decay products, specifically $radium_{226}$, occur widely in the earth's crust, and thus radon is continually being generated, even in soils in which there is no man-made radioactive contamination. Radon is colorless, odorless, tasteless, chemically inert, and radioactive. A portion of the radon released through radioactive decay moves through air or water-filled pores in the soil to the soil surface and enters the air, while some remains below the surface and dissolves in ground water (water that collects and flows under the ground's surface). Because radon is a gas, when water that contains radon is exposed to the air, the radon will tend to be released into the air. Therefore, radon is usually present in only low amounts in rivers and lakes. If ground water is supplied to a house, radon in the water will tend to be released into the air of the house via various water uses. Thus presence of radon in drinking water supplies leads to exposure via both oral route (ingesting water containing radon) and inhalation route (breathing air containing both radon and radon decay products released from water used in the house such as for cooking and washing).

Radon itself also decays, emitting ionizing radiation in the form of alpha particles, and transforms into decay products, or ``progeny'' radioisotopes. It has a half-life of about four days and decays into short-lived progeny. Unlike radon, the progeny are not gases, and can easily attach to and be transported by dust and other particles in air. The decay of progeny continues until stable, non-radioactive progeny are formed. At each step in the decay process, radiation is released.

Aesthetic Qualities

Taste and odor is one component of drinking water's aesthetic quality. The Water Authority in recent years has been experiencing some of the worst episodes of summer taste and odor in its 100-year history. Although water sometimes has a taste and odor, it is 100% safe to drink.

Decaying vegetation and byproducts of microbes are probably the most universal sources of taste and odor problems in surface water. The organisms most often linked to taste and odor problems are the filamentous bacteria actinomycetes and the blue-green algae.

Two highly studied by-products of actinomycetes and the blue-green algae are geosmin and methylisborneol (MIB).

These compounds are responsible for the common earthy-musty odors in water supplies and have been isolated from many genera of actinomycetes and the blue-green algae. Both geosmin and MIB can have odor threshold concentrations of less than 10 parts per trillion.



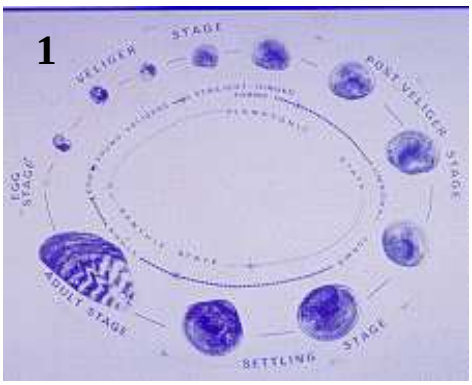
Zebra Mussels

The zebra mussel is a small freshwater shellfish native to the Black & Caspian seas of western Russia. They were introduced into European waters in the 18th Century. By 1986 the mollusks were transported to North America from freshwater European ports, through the discharge of ballast tanks from international shippers.

They are prolific breeders. Each female can produce up to 40,000 eggs each year. Using elastic-like fibers they can attach to any hard surface and quickly colonize large areas, reaching densities of more than 100,000 per square meter. They feed by filtering water containing microorganisms through their gill system.

Once the zebra mussels invaded Lake Erie they spread like wildfire. Their impact on Lake Erie has been profound. Nearly all particulate matter is strained from the lake's water. Uneaten suspended matter is bound with mucous and amassed among the shells in its immense colonies. Because of this filtering activity, the clarity of Lake Erie has greatly improved, allowing light to penetrate much deeper, and with much greater intensity than ever before.

Unfortunately this phenomenon has serious consequences to the lake's ecosystem and water quality. Besides severely affecting the aquatic food chain, this increase in light intensity causes the foul summertime taste and odor problem. The additional light entering the lake causes a steep acceleration in the blue-green algae growing cycle, the main source of taste and odor problems.







(1) Life cycle of the zebra mussel; (2) Zebra mussel close-up; (3) beach wash-up of zebra mussels

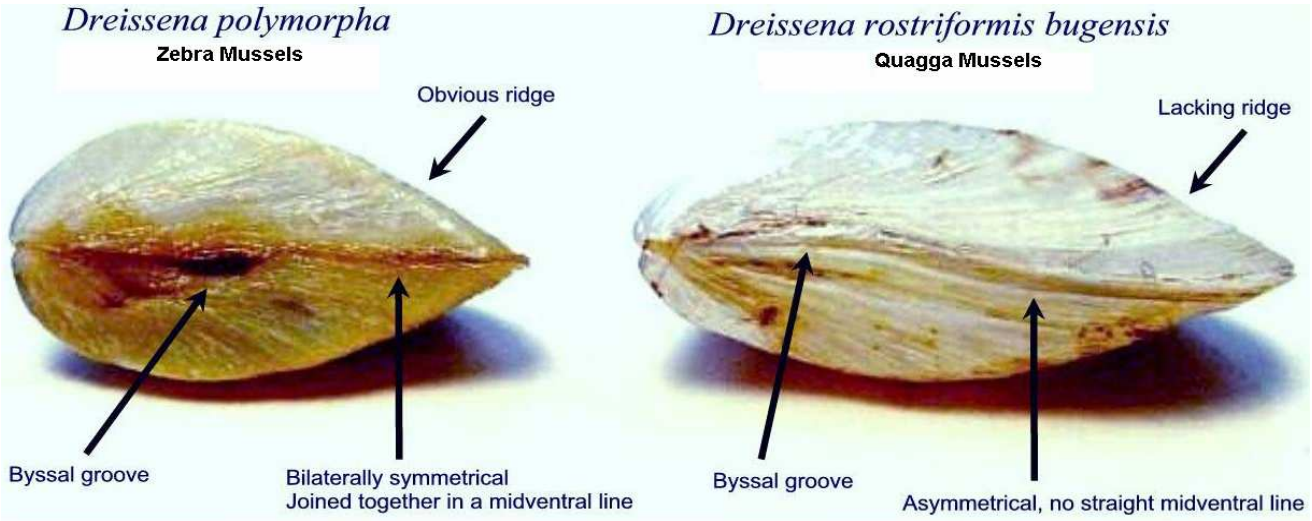
Quagga Mussels



Quagga mussels (Dressena bugensis), a close relative of the zebra mussel, were first discovered in the Great Lakes region in September 1989, when one was spotted near Port Colborne, Lake Erie; however, the recognition of the quagga type as a distinct species did not occur until 1991. Their arrival to the Great Lakes region, like the zebra mussels, appears to be the result of ballast water discharge from transoceanic ships into the Great Lakes.

The quagga mussel shell is striped, as is that of the zebra mussel, but the quagga shell is paler toward the hinge. There is a large range of shell features, including a distinct species in Lake Erie that is pale or completely white. The quagga is slightly larger than the zebra mussel, about 20mm (0.8 in) wide, roughly about the size of an adult human's thumbnail. A fully mature female mussel is capable of producing up to one million eggs per year.

Quagga mussels feed all year, even in winter, when its cousin the zebra mussel, lies dormant. Some researchers believe that Lake Erie's dead zone is likely the partial work of the tiny quagga mussel’s non-stop feeding, its ability to live in deep water (it has been found at depths up to 130m in the Great Lakes) and the excretion of phosphorous with its waste.



Metering Program

This program has been mandated by New York State's Department of Environmental Conservation. In general, the water meter project will either replace existing meters or "convert" all flat rate water service to metered accounts using the most automated water meters available. These meters can be read from outside the home and accurately bill you for the amount of water that has been used, in the same way that you are currently billed by other utilities.

FLAT RATE TO METERED BILLING CONVERSIONS

IMPORTANT INFORMATION ABOUT YOUR NEW METER



Maintenance: Your new meter should register and run without any problems for fifteen years or more. The City of Buffalo owns and maintains the meter only and will replace any meter that fails due to mechanical problems at no charge to you. There is a charge for repairing meters, cables or remotes that are damaged willfully or through the neglect of the property owner. Meters must be protected from freezing if they are located in an unheated area.

Meter Reading: The remote reading device placed on the outside of your home allows us to accurately read the meter without entering your home. Please do not disturb the remote device or the wire between it and the meter, or place any objects directly in front of the remote device that would make access to this device difficult for the meter reader.

Meter Billing: The City of Buffalo currently reads and bills metered accounts quarterly. Metered customers are billed for the actual amount of water used during the quarterly period; bills are processed and mailed within approximately 30 days following the previous quarter. Plans are currently being reviewed to change to monthly billing for metered customers; you will receive information about this change in the future.

Billing Cycle: Depending upon the timing of your new meter installation, you may receive a flat rate bill for your property before the new-metered account is set up. If you have already received a flat rate bill, or receive one before the metered account is established, please disregard this bill. You will receive a notice from the billing department with information regarding any credits or monies owed on your flat rate account. Because of the time required to set up a new-metered account, it could take anywhere from 30 to 60 days to process this new account. Even though your first metered bill may be delayed, you will still only pay for the amount of water you actually used.

Water Conservation: Conservation is one of the primary goals of the metering program. In order to conserve water, people must know how much water they actually use. To conserve water, and to keep your bills low, fix any leaky fixtures in your house or building. Additional conservation tips have been made available to you to help you better understand this important measure.

If you have any questions regarding your bill, please contact our customer service department at 716-847-1065.

Water Conservation

Water is a vital and limited resource. It is crucial to conserve water. Between the years 1980 and 2000 Americans have more than doubled their water usage. In many areas severe shortages already exist. We must learn to conserve water now, to avoid severe shortages in the future.

By saving water you can also reduce your water, sewer, and utility bills while easing the burden on water storage, purification, distribution, and treatment.

There are four basic ways to save water:

Economize, Repair leaks, Install water- saving devices, and Reuse water.

Water Savings Tips

The following are some water saving suggestions that you may find useful:

- Dishwashing: Wash dishes in standing water after you wipe grease off dishes with a paper towel or cloth. Turn off faucet frequently, and you will save over 20 gallons of water a day. Soak pots and pans before washing.

- Tooth brushing: Don't let water run while you brush your teeth. Rinse your mouth with water in a glass and you will save over a gallon of water each time you brush.

- Shower & Bath: Plug the drain before you run water. Take shallow baths. Keep showers short with pressure at low force. Bathe small children together. Reuse bath water to use on lawns and shrubs, and for heavy cleaning jobs (e.g. floors, cars, etc.).

- Sink: Fill bowl with water instead of letting water run when you wash or shave. Try a faucet aerator to reduce the amount of water used.

- Toilet: Flush only when necessary. Don't use as a wastebasket for cigarette butts or disposable diapers. Install water saving displacement devices. *" When it's yellow, let it mellow, when it's brown, flush it down"* Put a plastic bottle or a plastic bag weighted with pebbles and filled with water in your toilet tank. Displacing water in this manner allows you to use less water with each flush. Saves 5 to 10 gallons a day. That's up to 300 gallons a month, even more for large families. Better yet, for even greater savings, replace your water-guzzling 5-7 gallon a flush toilet with a 1.6 gallon, low flush, or 1.28 gallon, ultra-low flush model.

- Laundry: More than 10% of all water used in the home is used in the washing machine. Use the load selector to match water level to size of load. Try to wash full loads whenever possible. Presoak heavily soiled items. If buying a new washing machine, choose one with conservation features.

- Cleaning: Use a pail or basin instead of running water. Use sponge mops instead of string mops (uses less water for mopping and takes less water to keep clean).

- Lawn & Garden: Water slowly and thoroughly during cool, shady, and windless times of the day. Let grass grow taller in hot weather. Use judicious amounts of mulch in the garden and around shrubs to conserve moisture. Plant shrubs that don't need a lot of watering.

- Car Washing: Wet car quickly, turn hose off, wash car from a bucket of soapy water, and rinse quickly with hose. Used water is fine for cleaning chrome, hubcaps, and wheels.

More Water Savings Tips

Leak Detection

- Check the small red (leak detection) dial, found between the 7 & 8 on the face of the new water meter. If this dial is turning when you think the water is not being used, this indicates a leak somewhere inside the house.
- Check for leaks from faucet. A slow drip can waste 15 to 20 gallons a day, fix it and save 6,000 gallons per year. Most leaks are caused by worn out washers, which often can be repaired by the homeowner.
- Check for leaks from toilet tanks by putting a few drops of food coloring in the tank. Without flushing; wait 10 to 15 minutes; if the color shows up in the bowl, you have a leak. It's possible to lose up to 100 gallons a day from an "invisible leak", that's more than 30,000 gallons per year. Nearly 90% of all residential leaks are caused by leaks from toilet tanks.
- Check for leaks from tub faucets and showers. Replacing old showerheads with low flow models can save 5 to 10 gallons per minute.
- Detect for leaks on service lines by listening for a "hissing" noise at your water meter when no water is being used inside the house. You could have a water line that goes to another building, such as:

(1) Front house to rear building;
(2) House to garage.

If you suspect a problem, you should contact your plumber to check this out.

Water Loss In Gallons					
Leak this Size	Loss Per Day	Loss Per Month	Leak this Size	Loss Per Day	Loss Per Month
•	120	3,600	●	6,640	199,520
•	300	10,800	●	6,964	209,520
●	693	20,790	●	8,424	252,720
●	1,200	36,000	●	9,585	296,640
●	1,920	57,600	●	11,324	339,720
●	3,095	92,880	●	12,750	361,600
●	4,295	128,880	●	14,952	448,560

* Note that water loss, due to leaks in a multi-family building, are multiplied by the number of units in the complex.

Consumer Tips

➔Appearance

If your cold tap water appears brown or red it is probably mineral deposits (tuberculation) in your water caused by:

- Water main break
- Water or sewer workers flushing fire hydrants
- Vibrations caused by construction
- Children playing with fire hydrants

To report these problems, call the water dept. at 851-4704 or 851-4749. Once the reason has been identified and the disruption of the water main has ceased, run your cold water tap until it clears.

- If your water appears cloudy in winter or early spring it is most likely trapped air. Cold water has a much greater capacity to hold gas than warm water, and if this tendency is combined with a faucet aerator, your water may appear cloudy due to air bubbles. If the water is allowed to sit for a short while, the bubbles will eventually rise to the surface and dissipate.

➔Taste & Odor

■After chlorination there remains a minute amount of chlorine in tap water known as residual chlorine. This residual is necessary to kill pathogenic organisms in the water. Many consumers dislike the inherent taste. The following are some ways to eliminate or improve this taste:

- Expose water, in a clear uncapped bottle, to sunlight for one hour, and the smell of chlorine will be removed.
- Cool water to less than 60^{o}F in the summer. Cool water definitely tastes better. If the smell of chlorine is removed before cooling, the taste will be much better.
- Leave water in a kettle overnight. The smell of chlorine will be removed.
- Boil water for 5 minutes in a kettle with the lid off, cool to room temperature, then place in a refrigerator with the lid on, but not air tight, until cool.
- A well-maintained point-of-use charcoal filter will eliminate the smell of chlorine.

■Another common cause of taste & odor in tap water are PVC supply lines. PVC can impart a bitter medicinal taste to water that is allowed to stagnate within a supply line. To eliminate this problem, run the water until the taste & odors has dissipated or change the supply line to a material other than PVC.

■A non-functional drain trap can give the illusion of a sewage smell in tap water. This is due to the introduction of sewer gas from the drain whenever water is flowing through it. Repairing the drain trap will eliminate this problem.

(FAQ) Frequently Asked Questions

Water Quality Questions …

1. My water appears milky, cloudy or white, when poured in a glass it clears from bottom to top, is it safe to drink?

Yes, your water is safe to drink. The cloudiness is simply air. Air-bound water is most frequently seen when the water temperature is colder than the ambient air. This effect may be enhanced when an aerator is attached to the faucet's tap. The presence of air-bound water is not harmful and no action needs to be taken to correct this phenomenon.

2. Why does my water appear brown or orange, when it is not used for a while?

This is probably due to rust within your internal plumbing at your residence. We suggest you let the water run for a few minutes, until it clears, before use.

3. Why is our whole neighborhood experiencing brown or orange water coming out of the tap?

Call the water department at 851-4704 or 851-4747. We will check to see if work is being done in your neighborhood. Often, when a nearby hydrant is being used, or vibration from construction activity is occurring, the flow of water in the main is upset or interrupted. This may cause minerals deposited on the walls of the main, to detach and become suspended in the water.

We suggest that you, and your neighbors, run the water for a time. The greater the water usage in your area, the faster the minerals deposited in your water will clear. If possible, run the water from the cold-water tap closest to your water meter. This may prevent these minerals from traveling to other faucets farther along your water pipes. Once the water clears, it may be necessary to remove, and clean any aerators that are attached to you faucets.

4. Why is there a black ring inside my toilet bowl?

This has nothing to do with water being delivered to your household. This in mildew caused by room temperature, facility usage and lighting. We suggest a chlorine-based bowl cleaner and more ventilation during showers.

Water Quality Questions continued …

5. What are the particles that are clogging my aerator, dishwasher hoses, etc.?

Let's do a quick test to see what these particles are. Collect some of these particles and place them in a small cup. Slowly and carefully pour a small amount of household vinegar in this cup. If these particles dissolve in the vinegar, they are probably mineral deposits. It is quite natural to see small amounts of minerals coming from your water pipes.

But

*If the particles do not dissolve in vinegar, they may be plastic coming from the "**dip tube**" in your hot water tank. This broken down "dip tube" material closely resembles mineral deposits, but are much more abundant. When the plastic "dip tube" in a hot water tank begins to disintegrate it may wreak havoc in your plumbing. You will eventually notice a loss of hot water pressure, along with blocked aerators and hoses. The "dip tube" or perhaps the entire hot water tank may need to be replaced.*

6. I have a skin rash, is the water to blame?

You may have dry skin, or any number of different skin ailments (e.g. eczema), that become irritated when in contact with water. Water does not create these ailments, but the ailments may become worse when it comes in contact with water because instead of hydrating the skin, water may draw moisture away from your skin. Talk to your doctor or pharmacist regarding a remedy.

7. Why does my water taste and smell like algae, or grass or dirt?

During the end of summer through fall you may notice a foul taste and odor in your water. This is an after taste do to the presence of algae in Lake Erie. We do remove, filter and disinfect algae in the production of finished water, but often the aftertaste will remain (see Aesthetic Qualities for details). Despite the taste & odor, your water is perfectly safe to consume. We suggest you place a container of water in your refrigerator. The colder the water, the less noticeable the taste.

8. Why did all my fish die, after I put fresh water in my aquarium?

Tap water contains residual chlorine to keep it disinfected. This residual chlorine is deadly to fish. Before adding tap water to a fish tank it is necessary to dechlorinate the water. This can be achieved by adding a dechlorination agent, available at any pet supply store. You can also collect a quantity of water in an open container, and allow the chlorine to dissipate naturally.

Water Quality Questions continued …

9. Why does my water smell like bleach?

This is a normal smell when using tap water. We add chlorine to water to keep it disinfected. At certain times of the year the chlorine smell is more noticeable. This is especially apparent when the water temperature is warmer than air temperature.

Chorine, like all gases, will travel from a warm environment to a colder one. This phenomenon is the driving force of lake effect snow as well as chlorine gas in water.

If you find the chlorine smell objectionable, try placing a container of water in your refrigerator overnight. The chlorine will escape and the chlorine odor will be gone. This water should be kept in your refrigerator because it will no longer have chlorine in it to keep it disinfected.

Billing Questions …

1. Why am I still receiving a water bill even though my water is turned off at the property I own?

You must fill out a disconnect request and pay the turn off fee at our Customer Service office at 281 Exchange Street (or request a disconnect request be mailed or faxed to you). Before the billing can be inactivated the meter must be removed. If you are a flat rate customer, your account will be researched back to the turn off date, and a new bill will be issued, if appropriate.

Note: Water turned off for repairs or nonpayment, are not considered disconnect requests, and will not be treated as such.

2. Why am I being billed for your frozen and ruined water meter?

Per city ordinance, whenever a water meter is placed in a property, it is the owner's responsibility to prevent the water meter from freezing. Examples to prevent water meters from freezing are placing insulation around the meter, or making sure the meter area is heated or away from drafts.

3. I don't think my meter has been read, how do I know if it was?

*There will be an **"E"** next to the reading on your bill if the meter has not been read. The meter reading should only be estimated when the meter reader is unable to obtain a reading due to access problems or touchpad malfunction. Customers should be referred to the Meter Shop to investigate estimated readings.*

4. I think my water bill is awfully high, how much water should I be using?

Although everyone is different, the average household should be using approximately four thousand cubic feet (4000 ft^3) per person per year), which is about 30,000 gallons per year.

Billing Questions continued …

5. I received a notice of high consumption and made arrangements with the Meter Shop to check for leaks. They found the leaks and I made the repairs. How can I prevent being surprised again?

Residential meters are read once every 3 months, or quarterly, yet a property owner can monitor their readings as often as they like, to prevent surprises like high water bills. The meter readings should be monitored by the owner at least monthly. In addition, all water meters have a low flow indicator located between the seven and eight on the face of the water meter. This little red triangle will be moving if water is running through the meter, if your not using water when it is moving, you should check all fixtures for leaks.

Tenant/Landlord Questions …

… Tenant

1. My water just got turned off and I'm a tenant. I cannot reach my landlord, I have small kids; how do I get my water back on? Can I deduct the amount I pay for water restoration from my rent to the landlord?

A. *Rest assured, we are available to assist you. In the event of an absentee or vacationing landlord, we will make payment arrangements, usually short-term in nature with you, the tenant. You may be required to make a down payment and pay the turn on fee before service can be restored once we confirm that you are not the actual owner.*

For your convenience, we accept MasterCard, Visa, bank draft, money order or cash only. We do not accept personal checks once water service has been disconnected for non-payment. Restoration of the service will take place in 4- 24 hours, in most cases.

B. *If you are unemployed, disabled, DSS client, you may qualify for a hardship agreement. Be sure to contact your direct- service agency counselor and find out what information you will need from us in order for them to assist you. Normally, social service agencies require that you provide them with an account printout. There is a $3.00 charge for the print out that you will have to pay. Once you take the print out to DSS, they will determine the amount of your future award and give you an award statement. You must bring the DSS statement along with the turn on fee to our Exchange Street office in order to have service restored. We take into consideration the amount of the DSS award in developing your payment plan. Once we agree on payment terms, you must return your payment arrangement to DSS in order to finalize your award with them so that they will actually make a payment to us on your behalf. You must complete all follow up requirements for payment from DSS.*

Tenant/Landlord Questions continued …

2. Can I deduct the amount I pay for water restoration from my rent to the landlord?

Because we are not attorneys, it would be inappropriate of us to give legal advice; we can only suggest that you consult an attorney in such matters.

The office of the New York State Attorney General Office Andrew M. Cuomo has produced an excellent reference entitled, "Tenant's Rights Guide" that you can access on line at http://www.oag.state.ny.us/realestate/habitability.html#30. The website addresses the landlord's responsibility to provide vital services to tenants.

3. Is there an agency I can contact that will make my landlord pay the water bill?

Yes, you may contact the Erie County Environmental Health Inspector at 716-961-6800. You will be required to provide them with your name, address and the name and address of the landlord. Because a NO WATER call is considered an emergency and is also considered to be unsanitary, Erie County will attempt to contact your landlord by telephone and by mail after confirming the account information with AWS-COB-Division of Water. Erie County will give your landlord five days to have the water service restored. If the landlord fails to have the service restored in the time frame allotted, Erie County Environmental Health will petition the landlord to City of Buffalo Housing court. NOTE: You may have to move to temporary quarters for a time. Erie County will not provide legal advice. If you chose to pay the water bill and offset your rent to the landlord, we recommend that you consult an attorney in this matter.

4. I would like to make arrangements to pay the past due bill, but I want a tenant's agreement with the Division of Water. Can I sign a tenant's agreement?

Yes, with the assistance of Neighborhood legal services, we have developed, and adopted the kind of agreement you mention. The City of Buffalo's legal department and the Commissioner of Public Works, Streets and Sanitation have sanctioned the use of such an agreement.

5. I am a senior citizen and I am disabled, my water is turned off for non-payment but my landlord will not call me back. If I come in and make arrangements to pay the balance, will you give me a Senior Citizens & Disability discount?

Unfortunately, we cannot offer the Senior Citizens discount to tenants. Senior Citizen's discounts are available only to homeowners at their primary residences. Income properties do not qualify for the discount. There is no disability discount at this time.

6. I am a renter and I just received a final notice, is there a water energy assistance program (WEAP) similar to heating energy assistance program (HEAP) that can assist me?

No such funds have been identified in the Buffalo, New York area at this time.

Tenant/Landlord Questions continued …

… Property Owners

1. I was just at a Tops Market paying other utility bills and saw a sign that says Erie County Water customers can pay their bills via Western Union payment services right there inside of the market. Why can't City of Buffalo water customers pay their bills at Tops?

Effective Wednesday, August 1, 2007 you may now pay your City of Buffalo Water bills at participating Western Union Agent locations in Tops markets and other retail stores. A complete listing of participating stores can be found on line at:

http://www.buffalowaterauthority.com/payment.htm

When paying at participating Western Union locations, please be sure to have your City of Buffalo Division of Water bill with you. Please note that Western Union payments have a processing time of 1-3 business days.

If your water service has been interrupted, you will need to present your receipt to the Exchange Street billing office and pay for a "turn on" fee before service is restored.

2. Why is my bill estimated when there is a black box attached to my house that allows your staff to read my meter any time you want to?

There could be several reasons why we cannot read your meter using the box located on the outside of your house. ***(1)*** *There may be a break in the touch pad wire located on the outside of your house that is not allowing the black box to communicate with the meter located on the inside your house.* ***(2)*** *The actual meter located inside of your house may be defective.* ***(3)*** *The water department staff may not be able to get close enough to the box attached to your house if it is blocked by; trash, cars, dogs, bushes, locked gates, etc., in which case you should have received a door hanger advising you of this problem. In any of the aforementioned cases, your next bill will be estimated. You should contact the meter shop at 851-4741 to arrange for repairs.*

Tenant/Landlord Questions continued …

3. I am a senior citizen and have qualified for the STAR program, but when I got my water bill there was no discount. Why?

The Basic and Enhanced STAR school property tax exemptions program effects the amount you pay on Property Taxes not water bills. The Exemptions are homestead exemptions. Basic STAR is available to anyone who owns and lives in his or her own home. Enhanced STAR is available to homeowners whose incomes do not exceed the statewide standard. Qualifying for the Basic or Enhanced STAR program does not affect your water bill. For additional information on Basic and Enhanced Star school property tax programs, go on line to http://www.orps.state.ny.us/star/index.cfm and http://www.orps.state.ny.us/star/star_forms.cfm.

There is a special program within the City of Buffalo for seniors ages 65 and over that is administered by the City of Buffalo Tax Department, Room 105 City Hall. To obtain an application and to find out if you qualify call 716-851-5747. Applications for the Water Discount Program must be submitted not later than December 1st each year and will take effect in July of the following year. The 40% discount effects only the water portion of your bill.

4. Why am I still receiving a bill, my property is vacant? According to my meter, I haven't used any water.

*Charges will continue until you have **(1)** paid your balance in full, **(2)** completed & returned the turn off application so that your account can be inactivated, **(3)** water is turned off at the curb by Division of Water staff **(4)** associated fees are paid, and **(5)** your meter is returned.*

Note: If the water service valve or box is reported as defective, you will receive a violation letter advising you to engage a licensed plumber to repair or replace the service box or valve. This work must be completed before the service can be inactivated. By Water Board Regulations copied below, the property owner is responsible for the repair and maintenance of the service line and valve.

10085.7-Water Service Connections

(l) Maintenance of service pipes.

All user service connections, lateral or service pipes for public or private use and all necessary fixtures connected therewith shall be subject to the approval of the commissioner. Such pipe and connection are to be laid and kept in good repair and protected from frost by or at the expense of the applicant, who shall likewise pay for the fee for tapping of the main pipe. Such payment to be made by the person making the application for a supply of water at the time such application is made.

5. Why are homeowners held responsible for water bills when the tenants actually use or waste the water?

According to Water Regulations; 10085.12 & 10085.13, all water charges for the property are the responsibility of the property owner and there can be no abatement for leakage. Delinquent City of Buffalo Water bills, according to water regulations, become liens on the property and left unpaid may result in the loss of the property at the City's annual tax sale.

Tenant/Landlord Questions continued …

6. As a property owner, I feel like I'm being robbed. Why do I have to pay two sewer bills?

You don't actually pay two sewer bills. On your tax bill there is a charge for sewer rent, which underwrites the maintenance and repair of the sewer system infrastructure. This amount is payable twice a year with your property tax bill. The sewer charges you pay on your combination water and sewer bill are for transporting waste from your toilet directly into the sewer system and are payable, in most cases, quarterly.

7. I just purchased this property and now I find out that the old owner never paid their bill and I owe $500. Why do I have to pay the old owner's bill, I never used one drop of water?

All current and delinquent water bills are to be paid either prior to the closing or at the actual real estate closing. You may wish to check with your attorney to determine if he/she requested a final bill be sent to the previous owner. In any event, your attorney will have to investigate the matter for you. According to Water Board Regulations; 10085.12 (b), the property owner is liable for all current and past due charges for the property.

8. How can you turn my water off without first notifying me?

We must notify you according to water regulations. The following notifications occur:

***(1)** All residential customers are sent a quarterly billing that indicates the current amount billed and arrears amount owed along with other charges. The disclosure regarding past due amounts (arrears) is located on the reverse side of your bill, bullet point #3 which says " Arrears CHARGES ARE PAYABLE IMMEDIATELY IN ORDER TO AVOID INTERRUPTION OF SERVICE"*

***(2)** You are sent a reminder notice*

*(**3**) If you fail to pay the amounts billed, your property is physically tagged with a door hanger that is a bright florescent color which indicates the last day in which you have to make payment or payment arrangements that will cancel the scheduled interruption of service to your property. You may make mutually satisfactory payment arrangements over the phone with our Exchange Street billing office and pay by master or visa card or you may visit our Exchange Street location and pay your bill or a portion of it and make payment arrangements to ensure that your water service is not interrupted.*

Arrangements to avoid shut off may only be made through the billing office at 281 Exchange Street.

Water Service Questions …

1. Why am I responsible for the leak in the street on my water line?

By Water Board Regulations in the City of Buffalo, the water service line from the main in the street up to and including the piping leading to the house is owned by the property owner. This is considered to be a private line from the city's water main to the house. It is the homeowner's responsibility to maintain the water line and keep it in good repair.

2. Who is responsible for water service box repairs?

The homeowner is responsible for the water service box and shut off valve. The service box and valve must be maintained and kept in good condition and the water service valve must be accessible for operation by the water department personnel. The water department will install new covers and replace broken bolts when the work does not require the excavation of cement or blacktop. The charge for this service is for the cost of material only and will be billed to the water account for the property. (See rate chart for costs)

3. Why do you have the fire hydrants running on my street?

During the summer months water personnel perform routine maintenance on the fire hydrants. The hydrants are operated to make sure that they are working properly. The water department also flushes sections of the water mains to remove the build up of sediment in the pipe to improve the flow for better fire protection and to improve water quality and pressures. While the hydrants are being flushed you may temporarily experience low water pressure and discolored water from the sediment that was in the pipe. If this happens run your cold-water faucet in the basement laundry tub or faucet closest to the incoming service for 15-20 minutes and this should clear up this problem. If this does not take care of the problem, you can call our 24-hour emergency number at 851-4747 for assistance.

4. How can I get my water shut off to my house so I can make repairs to my valves or pipes inside?

In your house, there should be a water shut off valve that turns off the water to the whole house. This valve is located in the water pipe that comes up from the floor or through the wall in the front part of the basement closest to the street. If you do not have a basement and have a crawl space instead, the shut off valve is usually near the front part of the house or where the water line comes up from the ground. Most houses have an access panel outside, or a trap door in the floor to access this valve. If the water shut off valve does not hold or the valve is broken and needs to be replaced to make the necessary repairs, you can call our dispatch office at 851-4747 to schedule a time for a service turn off crew to meet you on location and turn off your water at the service box near the street. There will be a nominal charge to cover the cost of our service crews to operate this valve.

(See rate chart for costs)

Water Service Questions continued …

5. Should I have the water turned off to my house if it is going to be vacant?

If the house will be vacant for an extended period of time, or vacant during the winter months without heat, it is a good idea to have the water shut off at the curb valve to prevent freezing or potential flooding. If the property owner is unable to be on location when the water is shut off or if the service crew is unable to verify that the water is off completely, the property owner should make sure that the water is off completely in the house. The water pipes should be drained throughout the house to prevent frozen and burst pipes that will cause flooding or water damage.

6. How do I get my water shut off and my account inactivated if the house is going to be vacant?

*Property owners wishing not to incur water and sewer minimum charges on a vacant property that has a meter should contact the customer service office and request that their meter be removed and the service turned off. The property owner will be required to complete a Notice of Request to Discontinue Water Service, provide proof of identity by way of a valid state ID or valid state driver's license and pay the applicable fee. The process of termination of service and account inactivation cannot be completed until **(1**) the meter located at the property has been removed from the property, **(2)** the outside shut-off valve has been turned off, **(3**) the fee for termination paid in full and **(4)** all outstanding balances are paid in full. Property owners will continue to receive billings until all requirements are met. You may initiate this process in person or via fax to our Exchange Street location only.*

7. Why wasn't I notified that the water on the street was being shut off?

When the water is shut off for scheduled repair work to the water mains, valves or hydrants, written notices are delivered in advance of the shut down to all the houses that will be affected or you may be notified through the media. Unfortunately there are times when a broken water main forces us to perform an emergency shut down without prior notice. In the event of a water main break, the main must be shut down quickly to minimize the flooding of property, or further damage to the area. Whenever possible, the repair crew on sight will walk house to house to notify affected customers about the service interruption and information about the repairs. Most routine repair work can be completed and service restored within 3-4 hours, although some more involved repairs can take longer to complete.

8. Who is responsible for the water service failing and causing a leak when being shut off by the city water department?

By Water Board Regulations in the City of Buffalo, the water service line from the main in the street up to and including the piping leading to the house is owned by the property owner. This is considered to be a private line from the city's water main to the house. It is the homeowner's responsibility to maintain the water line and keep it in good repair. The service box and valve must also be maintained and kept in good condition and the water service valve must be accessible for operation by the water department personnel. The majority of service line failures occur on older galvanized lines that are buried and have deteriorated due to age. Due to the deteriorated condition of these older lines the service valve may not be able to handle the normal operation of the shut off valve and may start to leak. If a leak occurs following the operation of the shut off valve, the homeowner must engage a licensed plumber to repair the defective valve.

Water Service Questions continued …

9. I hear a loud sound on my water pipes, what is it?

If you hear the sound of water running and no one is using water in the house, it could mean that you have a leak on the buried service line leading to your home. Start by checking that there are no toilets leaking.

You can check this by putting a few drops of food coloring in the tank to see if the dye shows up in the bowl. If you have a water meter you can also check the small red indicator on the dial to see if any water is going through the meter.

If you still believe that you have no internal leaks, you can call our 24-hour emergency number and a service crew will come to your property to "sound" your water service to help you to determine where the leak may be. There may be a leak on the city water main that is not showing above ground, and getting away in the sewer that could be the cause of the load sound. The service crew will be able to make that determination.

2011 System Improvements

To insure continuing quality and safety in our communities' water supply, the Buffalo Water Authority has made or began the process of making the following improvements to our treatment facility in 2011:

- North Basin Sluice Gates Operators rehabilitated – better control of the treatment process.
- Sedimentation basin baffles rehabilitation – will result in improved treatment and better water quality.
- Installation of high efficiency lighting - will improve overall energy use.
- Seamless generator installed - gives the Water Department the ability to treat and deliver water to all our customers without interruption, in case of a power failure.
- SCADA upgrade at the Col. Ward Pump Station - allows for monitoring and remote control of all water tanks and remote pump stations.
- SCADA upgrades at the Filter Plant: – allowing greater control of the water treatment systems.
- Replaced high service pump at Massachusetts Pumping Station - increasing pumping efficiency.
- New high service pumps at the Colonel Ward Pump Station - will improve efficiency and energy use.
- Low Lift Pump & Motor rehabilitation at the Filtration Plant – will improve water treatment.
- Rehabilitation of chlorine system - improving safety and disinfection control.
- Remote controlled cranes installed at the High Service pumps - improving the ability to service equipment.
- Radio Read Meters" for commercial & industrial customers - improves efficiency of meter reading & billing.

2012 Planned System Improvements

The Buffalo Water Board plans the following improvements to our treatment & distribution systems in 2012

- Continuing the refurbished low lift pumps and switch gears.
- Continuing filter rehabilitation including sweep repair: More effective filter media and controls will increase water quality and lower its cost.
- Ongoing installation of "Radio Read Meters" for commercial & industrial customers; improves efficiency of meter reading & billing.
- Increase in capital program to replace aging water mains: improving water quality and flows.
- Continuing SCADA upgrade at the Filter Plant: Optimizing control over water treatment systems.
- Sludge centrifuge: this addition will enhance the removal of sludge from our sedimentation basin.
- Fluoride Feed System Upgrade: this upgrade will allow the optimization of fluoride feed to our potable water.
- Install disinfection booster stations – this will allow greater control of the chlorine concentration in the distribution system.
- Dechlorination Station (planned for 2013) – this will reduce organics and will improve the quality of our potable water.
- Design a new elevated Water Tank – will improve distribution system pressure.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, turbidity, inorganic compounds, nitrate, nitrite, lead & copper, volatile organics compounds, total trihalomethanes, and synthetic organic compounds.

The following table depicts which compounds were detected in your drinking water. The State allows us to test for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, is more than one year old. It should be noted that drinking water, including bottled water, might reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).

Although our drinking water met or exceeded state and federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

2011 Table of Detected Contaminants - Inorganic

Contaminant	Violation Yes/No	Sample Date (or highest detected	Level Detected (Avg/Max) (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Barium	No	5/12/11	0.021	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; and erosion of natural deposits.
Fluoride	No	10/27/11	ND - 1.3 Avg: 0.58	ppm	N/A	2.2	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
**SODIUM	No	5/23/07	11	ppm	N/A	**	Naturally-occurring; Road salt; Water softeners; Animal waste
SULFATE	No	5/23/07	23	ppm	N/A	250	Naturally-occurring mineral
Nitrate	No	5/12/11	.09-.18 0.18	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage, Erosion of natural deposits.

** Water containing more than 20 mg/l of sodium should not be used for drinking by anyone on severely restricted sodium diets. Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted sodium diets.

2011 Table of Detected Contaminates: Lead & Copper - Distribution

Contaminant	Any MCL of TT violation?	Sample Date (or highest detected)	Max Level Detected	Unit	MCLG	MCL	Range	Likely Source of Contamination
COPPER(1)	No: 90%=0.128ppm	5/25/11	0.197	ppm	1.3	1.3	ND - 0.197	Corrosion of household plumbing; erosion of natural deposits; leaching from wood preservatives.
LEAD(1)	No: 90% = 5 ppb	6/28/11	60	ppb	0	15	ND – 60	Corrosion of household plumbing; erosion of natural deposits.

(1) Out of 73 homes tested, in 2011 only 3 were above the AL of 15 ppb for Lead, and none were above or the AL of 1.3 ppm for Copper. The TT employed by the Buffalo Water Authority, intended to reduce lead and copper contamination of drinking water is the addition of a poly/ortho-phosphate blend as a part of water treatment. This chemical serves to coat water lines, to prevent lead and copper from leaching into the drinking water. Ingesting copper in excess of the 1.3 ppm AL may result in gastrointestinal distress. Long term exposure to copper above the 1.3 ppm AL may result in liver or kidney damage. Infants & children who drink water containing lead in excess of the AL could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning disabilities. Adults who drink this water over many years could develop kidney problems or high blood pressure. Infants & young children are more vulnerable to lead in drinking water then the general population. Lead levels in your home might be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested, and you should flush your tap for 30 seconds – 2 minutes before using your tap water. Additional information is available from the Safe Drinking Water Hotline (1-800-426-4791).

2011 Table of Detected Contaminates - Microbiological

Location	Contaminant	Any MCL of TT violation?	Sample Date (or highest detected)	Max Level Detected	Unit	MCLG	MCL	Likely Source of Contamination
distribution	Heterotrophic Bacteria	No	02/15/11	0 - 500 Avg: 6.57	count / ml	N/A	N/A	Naturally occurring
	Turbidity[3]	No	08/08/11	0.06 – 0.87 Avg: 0.13	NTU	N/A	TT ≤5.0	soil runoff
entry point	Turbidity[3]	No	12/16/11	0.04-0.13 Avg: 0.07	NTU	N/A	TT ≤1.0	soil runoff
		No		100% < 0.3	NTU	N/A	TT: 95% ≤0.3	
	Heterotrophic Bacteria	No	06/14/11	ND-40 Avg: 0.66	count / ml	N/A	N/A	Naturally occurring

(3)Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. Our highest single distribution measurement for 2011 occurred on 8/9/11 (0.87 NTU). State regulations require that the distribution average monthly turbidity must be below 5.0 NTU.

The regulations also require that 95% of the effluent turbidity samples collected have measurements below 0.3 NTU and that no single turbidity measurement be above 1.0 NTU. Although December was the month that had the highest effluent measurements, 100% of all measurements that month and for the entire year met TT for turbidity (0.3 NTU), and were in the acceptable range allowed and did not constitute a violation.

2011 Table of Detected Contaminates - Disinfection By-products formed by chlorination of tap water, and their precursors								
entry	Total Chlorine	No	6/12/11	0.75 - 1.48 Avg:1.35	ppm	N/A	N/A	Water additive used to control microbes
	Free Chlorine	No	6/12/11	0.89 - 1.27 Avg: 1.08	ppm	(MRDLG) 4.0	(MRDL) 4.0	
distribution	Free Chlorine	No	11/1/11	0.09 -1.15 Avg: 0.73	ppm	(MRDLG) 4.0	(MRDLG) 4.0	Water additive used to control microbes
	TTHM[(4)]	No	8/4/11	18.8 - 52.5 RAA= 29.9 ppb	ppb	N/A	TT=80ppb	By-product of drinking water chlorination needed to kill harmful microorganisms. TTHM's are formed when source water contains large amounts of organic matter.
	HAA	No	8/4/11	12 - 22.6 RAA= 16 ppb	ppb	N/A	TT=60ppb	By-product of drinking water disinfection needed to kill harmful microorganisms
entry	TOC	No	9/7/11	1.2 - 2.7 Avg:1.99	ppm	N/A	TT <2.0	Precursors to by-products of drinking water chlorination
	SUVA	No	2/8/11	0.23 - 1.49 Avg: 0.90	L/mg-m	N/A	TT <2.0	

(4) Representative testing for TTHM included samples collected through 2011. Our highest detected reading occurred in August. (52.5 ppb), which was below the MCL of 80 ppb. Some people who drink water, containing TTHM in excess of the MCL over many years experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer. The EPA's Safe Drinking Water Hotline is: (800-426-4791).

2011 Table of Detected Contaminated - Other Properties of Water

Location	Contaminant	Any MCL of TT violation?	Sample Date (or highest detected)	Level Detected (Avg/Max) (Range)	Unit	MCLG	MCL	Likely Source of Contamination
entry point	Total Solids	No	12/28/11	137.5 - 175 Avg: 160.6	ppm	N/A	N/A	Naturally occurring
	Total Dissolved Solids	No	1/10/11	141 - 180 Avg: 160	ppm	N/A	N/A	
	Alkalinity (as $CaCO_3$)	No	2/2/11	75 - 90.75 Avg: 84.9	ppm	N/A	N/A	
	Calcium Hardness (as $CaCO_3$)	No	1/7/11	87 - 120.5 Avg: 99.63	ppm	N/A	N/A	
	pH	No	5/7/11	7.5 - 7.9 Avg: 7.7	SU	N/A	N/A	
distribution	pH	No	11/7/11	7.4 - 8.1 Avg: 7.7	SU	N/A	N/A	Naturally occurring
	Alkalinity (as $CaCO_3$)	No	3/18/11	75 - 97.5 Avg: 86.56	ppm	N/A	N/A	
	Calcium Hardness (as $CaCO_3$)	No	12/20/11	83 - 110 Avg: 92.8	ppm	N/A	N/A	

What does this information mean?

As you can see by the table, our system had no violations. We have learned through our testing, that some contaminants have been detected; however, these contaminants were detected below the level allowed by the State.

2011 Raw Water Data

The following table shows the analyzed parameters of raw, untreated water originating in Lake Erie.

TNTC = Too Numerous To Count

Parameters	Units	Avg.	Range	Max date
Alkalinity as $CaCO_3$	PPM	88.83	76.5 - 95	11/07/11
Calcium Hardness as $CaCO_3$		105.06	88.5 - 133	11/23/11
Total Dissolved Solids		157.42	137.5 - 175	10/28/11
Total Solids		170.02	140 - 212.5	01/18/11
pH	SU	8.0	7.8 - 8.4	08/04/11
Turbidity	NTU	3.38	0.095 - 54.04	10/16/11
Standard Plate Count	Colonies/1 ml	80.99	0 - TNTC	01/05/11
Total Coliform	Colonies/100 ml	38.04	0 - TNTC	10/19/11
E.coli		4.22	0 - 60	10/19/11

Undetected Contaminants

According to State regulations, the Buffalo Water Authority routinely monitors your drinking water for various contaminants. Your water is tested for inorganic contaminants, nitrate, lead and copper, volatile organic contaminants, synthetic organic contaminants and total trihalomethanes. Additionally, your water is tested for coliform bacteria a minimum of 150 times a month. The contaminants detected in your drinking water are included in the Table of Detected Contaminants. Below is a list of contaminants that were tested for in 2011, but **were not detected** in our drinking water:

1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethlybenzene, 1,2-Dibromo-3-Chloropropane (DBCP), 1,2-Dibromoethane (EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2,2-Dichloropropane, 2,3,7,8-TCDD (Dioxin), 2,4,5-T, 2,4,5-TP (Silvex), 2,4-D, 2-Chlorotoluene, 3-Hydroxycarbofuran, 4-Chlorotoluene, Alachlor, Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide, Aldrin, Antimony, Arsenic, Atrazine, Barium, Benzene, Benzo(a)pyrene, Beryllium, Bromobenzene, Bromochloromethane, Bromomethane, Butachlor, Cadmium, Carbary, Carbofuran, Carbon Tetrachloride, Chlordane, Chlorobenzene, Chloroethane, Chloromethane, Chromium, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyanide, Dalapon, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate, Dibromomethane, Dicamba, Dichlorodifluoromethane, Dichloroprop, Dieldrin, Dinoseb, Endrin, Ethylbenzene, Heptachlor, Heptachlor epoxide, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Isopropylbenzene, Lindane, Mercury, Methomyl, Methoxychlor, Methylene Chloride, Metolachlor, Metribuzin, MTBE, m-Xylene, N-Butlylbenzyene, Nickel, n-Propylbenzene, Oxamyl vydate, o-Xylene, Pentachlorophenol, Picloram, p-Isopropyltoluene, Polychlorinated biphenyls, Propachlor, Propylene Glycol, p-Xylene, sec-Butylbenzene, Selenium, Simazine, Styrene, tert-Butylbenzene, Tetrachloroethene, Thallium, Toluene, Toxaphene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Trichlorofloromethane, Vinyl Chloride.

Is our water system meeting other rules that govern operations?

During 2011, our system was in compliance with all applicable state drinking water operating, monitoring and reporting requirements.

Closing

Thank you for allowing us to continue to provide your family with quality drinking water this year. We ask that all our customers help us protect our water sources, which are the heart of our community. Please call our treatment plant laboratory @ 716-851-4704 if you have questions about water quality.

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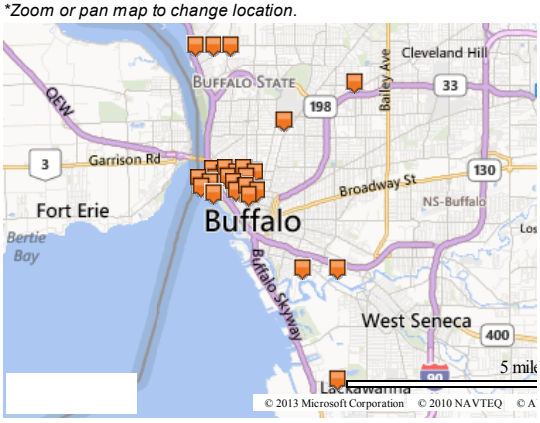
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Copy and paste the link above to view the data from this report

Info AIR TOXICS WASTE RADIATION WATER

Click on a tab to see a summary view of data for a media type.

*Zoom or pan map to change location.



LIST OF EPA-REGULATED FACILITIES IN ENVIROFACTS

To search Envirofacts via an interactive map, please view your results in EnviroMapper for Envirofacts Use the buttons located beneath the facility name and address information to obtain detailed reports on a specific facility. The data within the table below can be downloaded in a comma-separated value file for use in Excel by clicking here:

OR

FACILITY INFORMATION	AFS	ACRES	BR	CERCLIS	GHG	PCS/ICIS	RADInfo	RCRAInfo	TRI	TSCA
159 PORTER 159 PORTER AVENUE BUFFALO, NY 14201-4225 Latitude: 42.9001 Longitude: -78.8946 Summary Report Facility Report Compliance Report		View Report								
452 NORTHUMBERLAND 452 NORTHUMBERLAND BUFFALO, NY 14201-4225 Latitude: 42.925952 Longitude: -78.820908 Summary Report Facility Report Compliance Report		View Report								
49 LEDDY-SMITH/LEDDY 49 LEDDY STREET BUFFALO, NY 14201-4225 Latitude: 42.868237 Longitude: -78.851703 Summary Report Facility Report Compliance Report		View Report								
ALEJANDRO GEORGE 224 PROSPECT AVE BUFFALO, NY 142011928 Latitude: 42.894681 Longitude: -78.884779 Summary Report Facility Report Compliance Report								View Report		
B M H A - LAKEVIEW HOUSES GROUP 1 AREA OF FOURTH & JERSEY STS & BUFFALO, NY 14201 Latitude: 42.89628 Longitude: -78.88441 Summary Report Facility Report Compliance Report								View Report		
B M H A - LAKEVIEW HOUSES GROUP 2 AREA OF FOURTH & HUDSON STS & BUFFALO, NY 14201 Latitude: 42.89628 Longitude: -78.88441 Summary Report Facility Report Compliance Report								View Report		
B M H A - LAKEVIEW HOUSES GROUP 3 AREA OF PERRY BLVD & FOURTH & BUFFALO, NY 14201 Latitude: 42.89628 Longitude: -78.88441								View Report		

Summary Report | Facility Report | Compliance Report

B M H A LAKEVIEW HOMES - MODERIZATION
1 PENNSYLVANIA ST BUFFALO, NY 142011630
Latitude: 42.895823 Longitude: -78.893702
Summary Report | Facility Report | Compliance Report
View Report

BROWN MICHAEL A & MYRNA M
263 HUDSON ST BUFFALO, NY 14201
Latitude: 42.897979 Longitude: -78.884334
Summary Report | Facility Report | Compliance Report
View Report

BUFFALO BD OF ED - PUBLIC SCHOOL #192
FERRY ST E & MASTEN AVE CORNER BUFFALO, NY 14201
Latitude: 42.915294 Longitude: -78.859493
Summary Report | Facility Report | Compliance Report
View Report

BUFFALO BD OF ED - PUBLIC SCHOOL #76
300 S ELMWOOD AVE BUFFALO, NY 142012361
Latitude: 42.893869 Longitude: -78.878302
Summary Report | Facility Report | Compliance Report
View Report

BUFFALO CITY OF KLEINHANS MUSIC HALL
1 SYMPHONY CIR BUFFALO, NY 14201
Latitude: 42.902384 Longitude: -78.883284
Summary Report | Facility Report | Compliance Report
View Report

BUFFALO COLOR
SOUTH PARK AVE BUFFALO, NY 14201
Latitude: 42.89946 Longitude: -78.87602
Summary Report | Facility Report | Compliance Report
View Report

BUFFALO RUBBER & SUPPLY INC
526 NIAGARA ST BUFFALO, NY 14201
Latitude: 42.898187 Longitude: -78.889768
Summary Report | Facility Report | Compliance Report
View Report

C STORE INC 17
214 PORTER AVE BUFFALO, NY 14201
Latitude: 42.900645 Longitude: -78.893541
Summary Report | Facility Report | Compliance Report
View Report

CITY OF BUFFALO WATER FACILITY
2 PORTER AVE BUFFALO, NY 14201
Latitude: 42.896602 Longitude: -78.900995
Summary Report | Facility Report | Compliance Report
View Report

COLONEL WARD PUMPING STATION
2 PORTER AVE - CORNER OF PORTER BUFFALO, NY 14201
Latitude: 42.896776 Longitude: -78.901179
Summary Report | Facility Report | Compliance Report
View Report

DELAWARE COURT
239 S ELMWOOD AVE BUFFALO, NY 14201-2340
Latitude: 42.89157 Longitude: -78.878096
Summary Report | Facility Report | Compliance Report
View Report

DYOUVILLE COLLEGE
320 PORTER AVE BUFFALO, NY 14201
Latitude: 42.901982 Longitude: -78.890162
Summary Report | Facility Report | Compliance Report
View Report

GOODYEAR AUTO SERVICE CENTER
380 NIAGARA ST BUFFALO, NY 14201
Latitude: 42.894068 Longitude: -78.886248
Summary Report | Facility Report | Compliance Report
View Report

HERNANDEZ JOSE
304 MARYLAND ST BUFFALO, NY 14201-1915
Latitude: 42.897366 Longitude: -78.882263
Summary Report | Facility Report | Compliance Report
View Report

HUTCHINSON CENTRAL TECHNICAL HIGH SCHOOL
258 S. ELMWOOD AVE BUFFALO, NY 14201
Latitude: 42.892501 Longitude: -78.877845
Summary Report | Facility Report | Compliance Report
View Report
View Report

JOSEPH DAVIS INC
120 W TUPPER ST BUFFALO, NY 14201-2192
View Report

Latitude: 42.893884 Longitude: -78.876846 Summary Report Facility Report Compliance Report											
JOSEPH DAVIS INC 325 S ELMWOOD AVE BUFFALO, NY 14201 Latitude: 42.8942 Longitude: -78.877258 Summary Report Facility Report Compliance Report									View Report		
KALEIDA HEALTH - COLUMBUS COMM HLTH CTR 300 NIAGARA ST BUFFALO, NY 14201-2135 Latitude: 42.945177 Longitude: -78.907515 Summary Report Facility Report Compliance Report									View Report		
LAMAR ADVERTISING 105 WEST AVE BUFFALO, NY 14201 Latitude: 42.896143 Longitude: -78.882105 Summary Report Facility Report Compliance Report									View Report		
NATIONAL GRID MANHOLE 330 VIRGINIA ST VIRGINIA ST & TRINITY PLACE BUFFALO, NY 14201 Latitude: 42.89601 Longitude: -78.87967 Summary Report Facility Report Compliance Report				View Report					View Report		
NAVAL & MARINE CORP RESERVE CTR 3 PORTER AVE BUFFALO, NY 142011015 Latitude: 42.896729 Longitude: -78.90128 Summary Report Facility Report Compliance Report									View Report		
NEW YORK STATE DEC IMSON ST BUFFALO, NY 142010000 Latitude: 42.87014 Longitude: -78.83329 Summary Report Facility Report Compliance Report									View Report		
NEW YORK STATE DEPT OF CONSERVATION REGION 9 NYSDEC R9 CHANDLER AND HOWELL BUFFALO, NY 14201 Latitude: 42.9433 Longitude: -78.88843 Summary Report Facility Report Compliance Report									View Report		
NIAGARA MOHAWK STATION 201 7TH ST BUFFALO, NY 14201 Latitude: 42.89628 Longitude: -78.88441 Summary Report Facility Report Compliance Report									View Report		
NIAGARA STRAW CO INC 72 LAKEVIEW AVE BUFFALO, NY 14201 Latitude: 42.898143 Longitude: -78.89418 Summary Report Facility Report Compliance Report									View Report		
NYSTA C O OAKGROVE CONSTRUCTION I-190 NIAGARA THRUWAY BUFFALO, NY 14201-2324 Latitude: 42.95096 Longitude: -78.89821 Summary Report Facility Report Compliance Report									View Report		
PENN ADVERTISING 295 MARYLAND ST BUFFALO, NY 142011914 Latitude: 42.896356 Longitude: -78.881777 Summary Report Facility Report Compliance Report									View Report		
POLLUTION PACKERS OF WESTERN NY INC 2 SYMPHONY CIR BUFFALO, NY 142011340 Latitude: 42.901812 Longitude: -78.881386 Summary Report Facility Report Compliance Report									View Report		
PORTER 2 PROPERTY 640 FOURTH STREET BUFFALO, NY 14201 Latitude: 42.89859 Longitude: -78.89688 Summary Report Facility Report Compliance Report		View Report									
RITE AID #497 350 NIAGARA ST BUFFALO, NY 14201 Latitude: 42.89354 Longitude: -78.88488 Summary Report Facility Report Compliance Report									View Report		
ROANOAK BUILDING 206 S ELMWOOD AVE BUFFALO, NY 14201-2398 Latitude: 42.890836 Longitude: -78.878373 Summary Report Facility Report Compliance Report									View Report		

RODRIQUEZ PRIMITIVO & JUANITA 354 PROSPECT AVE BUFFALO, NY 14201-1748 Latitude: 42.897585 Longitude: -78.887513 Summary Report Facility Report Compliance Report									View Report		
SAMMY'S COLLISION 369 NIAGARA ST BUFFALO, NY 14201 Latitude: 42.894412 Longitude: -78.885672 Summary Report Facility Report Compliance Report									View Report		
SAMMYS GENERAL AUTO REPAIR 149 W TUPPER ST BUFFALO, NY 14201-2144 Latitude: 42.894661 Longitude: -78.877577 Summary Report Facility Report Compliance Report									View Report		
SCHOOL 3 - PORTER CAMPUS 255 PORTER AVE BUFFALO, NY 14201 Latitude: 42.901202 Longitude: -78.892364 Summary Report Facility Report Compliance Report									View Report		
SHORELINE APARTMENTS 200 NIAGARA ST BUFFALO, NY 14201 Latitude: 42.890268 Longitude: -78.881843 Summary Report Facility Report Compliance Report									View Report		
SKYWAY CLEANERS 247 NIAGARA ST BUFFALO, NY 14201 Latitude: 42.891526 Longitude: -78.882463 Summary Report Facility Report Compliance Report									View Report		
SPARKLE CLEANERS 260 ALLEN ST BUFFALO, NY 142011324 Latitude: 42.899271 Longitude: -78.879777 Summary Report Facility Report Compliance Report									View Report		
SPAULDING ALLEN P JR 146-148 VIRGINIA ST BUFFALO, NY 14201 Latitude: 42.893199 Longitude: -78.885603 Summary Report Facility Report Compliance Report									View Report		
STATE UNIVERSITY COLLEGE AT BUFFALO 7 PORTER AVE BUFFALO, NY 14201 Latitude: 42.896776 Longitude: -78.901179 Summary Report Facility Report Compliance Report									View Report		
STOP N GO - ATLANTIC R & M 211 NIAGARA ST BUFFALO, NY 142012336 Latitude: 42.890661 Longitude: -78.881703 Summary Report Facility Report Compliance Report									View Report		
SUNOCO SERVICE STATION 555 NIAGARA ST BUFFALO, NY 14201 Latitude: 42.898888 Longitude: -78.88988 Summary Report Facility Report Compliance Report									View Report		
TOPS MARKETS LLC 425 NIAGARA ST. BUFFALO, NY 14201 Latitude: 42.89506 Longitude: -78.88628 Summary Report Facility Report Compliance Report	View Report										
WILLIAMS TRUCKING CO 31 PROSPECT PL BUFFALO, NY 142012364 Latitude: 42.818516 Longitude: -78.830902 Summary Report Facility Report Compliance Report									View Report		

Go To Top Of The Page

Total Number of Facilities Displayed: 51

Last updated on 11/5/2013

APPENDIX J
ENVIRONMENTAL DATABASE

Rite Aid
350 Niagara Street
Buffalo, NY 14201

Inquiry Number: 3776966.2s
November 05, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	239
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-19

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

350 NIAGARA STREET
BUFFALO, NY 14201

COORDINATES

Latitude (North):	42.8937000 - 42° 53' 37.32''
Longitude (West):	78.8856000 - 78° 53' 8.16''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672645.9
UTM Y (Meters):	4750964.5
Elevation:	598 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	42078-H8 BUFFALO NW, NY CA10
Most Recent Revision:	1965
East Map:	42078-H7 BUFFALO NE, NY
Most Recent Revision:	1965

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
COMPRESSED AIR CARPET & RUG CLNG 350 NIAGARA ST BUFFALO, NY	EDR US Hist Cleaners	N/A
RITE AID #497 350 NIAGARA ST BUFFALO, NY	FINDS	N/A
RITE AID #497 350 NIAGARA ST BUFFALO, NY 14201	MANIFEST	N/A

EXECUTIVE SUMMARY

RITE AID #497
350 NIAGARA ST
BUFFALO, NY 14201

RCRA-CESQG

NYR000189753

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

VAPOR REOPENED ..... Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Facility Register

State and tribal leaking storage tank lists

HIST LTANKS ..... Listing of Leaking Storage Tanks
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

TANKS ..... Storage Tank Faciliy Listing
CBS UST ..... Chemical Bulk Storage Database
MOSF UST ..... Major Oil Storage Facilities Database
CBS AST ..... Chemical Bulk Storage Database
MOSF AST ..... Major Oil Storage Facilities Database
MOSF ..... Major Oil Storage Facility Site Listing
CBS ..... Chemical Bulk Storage Site Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

ENG CONTROLS ..... Registry of Engineering Controls
RES DECL ..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

ERP ..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
SWRCY ..... Registered Recycling Facility List
SWTIRE ..... Registered Waste Tire Storage & Facility List
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
DEL SHWS ..... Delisted Registry Sites
US HIST CDL ..... National Clandestine Laboratory Register

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

HIST UST	Historical Petroleum Bulk Storage Database
HIST AST	Historical Petroleum Bulk Storage Database

Local Land Records

LIENS 2	CERCLA Lien Information
LIENS	Spill Liens Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
NY Hist Spills	SPILLS Database
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
UIC	Underground Injection Control Wells
SPDES	State Pollutant Discharge Elimination System
AIRS	Air Emissions Data
E DESIGNATION	E DESIGNATION SITE LISTING
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
COAL ASH	Coal Ash Disposal Site Listing
PRP	Potentially Responsible Parties
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
Financial Assurance	Financial Assurance Information Listing
LEAD SMELTERS	Lead Smelter Sites
2020 COR ACTION	2020 Corrective Action Program List
US AIRS	Aerometric Information Retrieval System Facility Subsystem
PCB TRANSFORMER	PCB Transformer Registration Database
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST

EXECUTIVE SUMMARY

COAL ASH DOE..... Steam-Electric Plant Operation Data

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 07/11/2013 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CENTURY CENTRE I	***817 WASHINGTON ST***	***ENE 1/2 - 1 (0.783 mi.)***	***142***	***225***
BUFFALO TIN PLATING	***194 OAK ST***	***ESE 1/2 - 1 (0.877 mi.)***	***143***	***233***

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAMMY'S COLLISION	369 NIAGARA ST	N 0 - 1/8 (0.005 mi.)	A11	20
GOODYEAR AUTO SERVICE CENTER	***380 NIAGARA ST***	***N 0 - 1/8 (0.021 mi.)***	***C17***	***26***

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, and dated 08/19/2013 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FOURTH STREET MGP SITE	43 CAROLINA STREET	SSW 1/8 - 1/4 (0.240 mi.)	117	102
Class Code: Significant threat to the public health or environment - action required.				

State and tribal leaking storage tank lists

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 08/19/2013 has revealed that there are 16 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOODYEAR	***380 NIAGARA STREET***	***N 0 - 1/8 (0.021 mi.)***	***C18***	***28***
Spill Number/Closed Date: 9806713 / 1/30/2001				
TOPS MARKET	NIAGARA & MARYLAND STRE	NNW 0 - 1/8 (0.062 mi.)	C28	36
Spill Number/Closed Date: 9875104 / 8/12/1999				
NIAGARA AT VIRGINIA	NIAGARA AT VIRGINIA	ESE 0 - 1/8 (0.078 mi.)	E34	42
Spill Number/Closed Date: 9502447 / 9/12/1995				
TOPS #113	425 NIAGARA ST	NNW 0 - 1/8 (0.117 mi.)	F55	67
Spill Number/Closed Date: 0550674 / 8/19/2005				
ADA PROPERTIES, INC.	***211 NIAGARA STREET***	***SE 1/4 - 1/2 (0.251 mi.)***	***Y122***	***108***
Spill Number/Closed Date: 9402191 / 8/5/1996				
E.C.C. #36	***10 DAYS PARK***	***NNE 1/4 - 1/2 (0.342 mi.)***	***125***	***132***
Spill Number/Closed Date: 0375433 / 3/2/2004				
Spill Number/Closed Date: 0375434 / 12/24/2003				
BUFFALO SCHOOL # 76	***300 SOUTH ELMWOOD AVE***	***E 1/4 - 1/2 (0.376 mi.)***	***127***	***139***
Spill Number/Closed Date: 0111280 / 5/30/2002				
SIMON OIL COMPANY	SOUTH ELMWOOD & CHIPPEW	ESE 1/4 - 1/2 (0.377 mi.)	128	142
Spill Number/Closed Date: 8900269 / 3/28/1990				
SUNOCO #0364-1719	***555 NIAGARA***	***NNW 1/4 - 1/2 (0.388 mi.)***	***AB129***	***143***
Spill Number/Closed Date: 9402249 / 10/5/1994				
Spill Number/Closed Date: 9007370 / 6/3/1991				
NOCO ENERGY	577 NIAGARA STREET	NNW 1/4 - 1/2 (0.433 mi.)	AB132	158
Spill Number/Closed Date: 8706103 / 10/21/1987				
GAS STATIONS NIA-MOHAWK	NIAGARA STREET AT MOHAW	SE 1/4 - 1/2 (0.453 mi.)	133	159
Spill Number/Closed Date: 8709512 / 7/30/1990				

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THADDEUS J DULSKI FEDERAL BUIL	***US GENERAL SERVICES ADMSE 1/4 - 1/2 (0.455 mi.)***		***134***	***161***
Spill Number/Closed Date: 9713225 / 7/31/1998				
CONRAIL FRONTIER YARD ENGINE H	***1870 BROADWAY***	***E 1/4 - 1/2 (0.459 mi.)***	***135***	***172***
Spill Number/Closed Date: 9800039 / 6/1/1998				
NOCO MOTOR FUELS S-45	***400 VIRGINIA AVE***	***ENE 1/4 - 1/2 (0.479 mi.)***	***141***	***220***
Spill Number/Closed Date: 9401935 / 6/10/1994				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WATERFRONT SCHOOL #95	***95 FOURTH ST***	***S 1/4 - 1/2 (0.400 mi.)***	***130***	***152***
Spill Number/Closed Date: 8709231 / 5/22/1989				
CITY OF BUFFALO PROJECT	PENNSYLVANIA AVE & 4TH	WNW 1/4 - 1/2 (0.402 mi.)	131	157
Spill Number/Closed Date: 0203114 / 9/5/2002				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 08/07/2013 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOPS SUPERMARKET	409 NIAGARA STREET	NNW 0 - 1/8 (0.083 mi.)	F38	46
PERNA-NIAGARA, INC. D/B/A TOPS	425 NIAGARA STREET	NNW 0 - 1/8 (0.117 mi.)	F54	60

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, and dated 08/07/2013 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOODYEAR 1138	370-380 NIAGARA STREET	N 0 - 1/8 (0.003 mi.)	A7	17

State and tribal institutional control / engineering control registries

INST CONTROL: Environmental Remediation sites that have institutional controls in place.

A review of the INST CONTROL list, as provided by EDR, and dated 08/19/2013 has revealed that there are 3 INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NIAGARA STREET AND PENNSYLVANI	***517 NIAGARA STREET***	***NNW 1/4 - 1/2 (0.310 mi.)***	***124***	***121***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL FUEL GAS - BUFFALO SC	***249 W GENESEE ST***	***SSE 1/4 - 1/2 (0.476 mi.)***	***AC136***	***185***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BUFFALO URBAN RENEWAL AGENCY W	*257 WEST GENESEE STREET*	*SSE 1/4 - 1/2 (0.476 mi.)*	*AC140*	*210*

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the VCP list, as provided by EDR, and dated 08/19/2013 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL FUEL GAS - BUFFALO SC	*249 W GENESEE ST*	*SSE 1/4 - 1/2 (0.476 mi.)*	*AC136*	*185*

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A review of the BROWNFIELDS list, as provided by EDR, and dated 08/19/2013 has revealed that there are 5 BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
285-295 NIAGARA STREET SITE	285-295 NIAGARA STREET	SE 0 - 1/8 (0.116 mi.)	J52	58
DEMOLITION SITE	*295 MARYLAND STREET*	*NE 1/4 - 1/2 (0.261 mi.)*	*123*	*117*
NIAGARA STREET AND PENNSYLVANI	*517 NIAGARA STREET*	*NNW 1/4 - 1/2 (0.310 mi.)*	*124*	*121*

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL FUEL GAS - BUFFALO SC	*249 W GENESEE ST*	*SSE 1/4 - 1/2 (0.476 mi.)*	*AC136*	*185*
BUFFALO URBAN RENEWAL AGENCY W	*257 WEST GENESEE STREET*	*SSE 1/4 - 1/2 (0.476 mi.)*	*AC140*	*210*

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/24/2013 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WATERFRONT SCHOOL/NATIONAL FUE	*249 WEST GENESEE*	*SSE 1/4 - 1/2 (0.476 mi.)*	*AC137*	*206*

EXECUTIVE SUMMARY

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 08/19/2013 has revealed that there are 7 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MIDAS MUFFLER Spill Number/Closed Date: 9103361 / 6/24/1991	315 NIAGARA ST	SE 0 - 1/8 (0.053 mi.)	B25	34
WATERFRONT PRINTING Spill Number/Closed Date: 9107761 / 1/22/1993	WATERFRONT PRINTING	E 0 - 1/8 (0.068 mi.)	E32	39
WATERFRONT PRINTING CO. Spill Number/Closed Date: 9011570 / 3/15/1991 Spill Number/Closed Date: 9008946 / 11/21/1990	170 PROSPECT AVENUE	E 0 - 1/8 (0.082 mi.)	E36	44
FUMES IN BASEMENT Spill Number/Closed Date: 9107557 / 11/22/1993	158 PROSPECT AVENUE	ESE 0 - 1/8 (0.096 mi.)	E42	51
ASBESTOS PIPEWRAP AT CURB Spill Number/Closed Date: 9900961 / 4/26/1999	PROSPECT & MARYLAND	N 0 - 1/8 (0.096 mi.)	I44	52
EMPTY HARDWARE STORE Spill Number/Closed Date: 0485430 / 1/18/2005	221-225 VIRGINIA	ENE 0 - 1/8 (0.111 mi.)	H48	54
FORMER CAR WASH Spill Number/Closed Date: 0904123 / 1/15/2013	285 NIAGARA STREET	SE 0 - 1/8 (0.116 mi.)	J50	56

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/11/2013 has revealed that there are 5 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALEJANDRO GEORGE	***224 PROSPECT AVE***	***NE 0 - 1/8 (0.073 mi.)***	***33***	***40***
LAMAR ADVERTISING	***105 WEST AVE***	***NE 1/8 - 1/4 (0.223 mi.)***	***X110***	***97***
WILLIAMS TRUCKING CO	***31 PROSPECT PL***	***SE 1/8 - 1/4 (0.250 mi.)***	***AA121***	***106***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
SPAULDING ALLEN P JR	***146-148 VIRGINIA ST***	***S 0 - 1/8 (0.019 mi.)***	***A15***	***23***
SKYWAY DRY CLEANERS	***247 NIAGARA ST***	***SE 1/8 - 1/4 (0.187 mi.)***	***O82***	***76***

EXECUTIVE SUMMARY

HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 HSWDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NAT FUEL, BUFFALO SERVICENTER	249 WEST GENESEE STREET	SSE 1/4 - 1/2 (0.476 mi.)	AC138	208

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the MANIFEST list, as provided by EDR, and dated 08/01/2013 has revealed that there are 6 MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOODYEAR	***380 NIAGARA STREET***	***N 0 - 1/8 (0.021 mi.)***	***C18***	***28***
ALEJANDRO GEORGE	***224 PROSPECT AVE***	***NE 0 - 1/8 (0.073 mi.)***	***33***	***40***
NYSDEC REGION 9	108 WEST AVE	NE 1/8 - 1/4 (0.221 mi.)	X108	96
LAMAR ADVERTISING	***105 WEST AVE***	***NE 1/8 - 1/4 (0.223 mi.)***	***X110***	***97***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPAULDING ALLEN P JR	***146-148 VIRGINIA ST***	***S 0 - 1/8 (0.019 mi.)***	***A15***	***23***
SKYWAY DRY CLEANERS	***247 NIAGARA ST***	***SE 1/8 - 1/4 (0.187 mi.)***	***O82***	***76***

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 07/18/2013 has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NIAGARA HUDSON CLEANERS	461 NIAGARA ST	NNW 1/8 - 1/4 (0.197 mi.)	T92	91

Lower Elevation	Address	Direction / Distance	Map ID	Page
SKYWAY DRY CLEANERS	247 NIAGARA STREET	SE 1/8 - 1/4 (0.187 mi.)	O83	87

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EXECUTIVE SUMMARY

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 2 EDR MGP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
4TH STREET SITE	4TH STREET AND TRENTON	S 1/4 - 1/2 (0.348 mi.)	126	138
NATIONAL FUEL GAS - BUFFALO SE	249 WEST GENESEE STREET	SSE 1/4 - 1/2 (0.476 mi.)	AC139	210

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 41 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTANA ANGELO AUTO REPR	354 NIAGARA ST	ENE 0 - 1/8 (0.002 mi.)	A5	16
VIRGINIA SERV STA INC	340 NIAGARA ST	ESE 0 - 1/8 (0.002 mi.)	A6	16
GOODYEAR AUTO SVC CTR AUTO	370 NIAGARA SQ	N 0 - 1/8 (0.003 mi.)	A8	19
TESTA BROS FILL STA	362 NIAGARA ST	NNE 0 - 1/8 (0.004 mi.)	A9	20
MONTANO ANGELO AUTO REPR	369 NIAGARA ST	N 0 - 1/8 (0.005 mi.)	A10	20
DOLLAR AUTO LNDY	365 NIAGARA ST	NNE 0 - 1/8 (0.005 mi.)	A12	22
GOODYEAR AUTO SERVICE	380 NIAGARA ST	N 0 - 1/8 (0.021 mi.)	C19	31
MANUELE JAS FILLING STA	325 NIAGARA ST	ESE 0 - 1/8 (0.032 mi.)	B21	32
MIDAS AUTO SVC EXPERTS AUTO	315 NIAGARA SQ	SE 0 - 1/8 (0.053 mi.)	B26	35
MIDAS AUTO SYSTEMS AUTO REPR S	315 NIAGARA ST	SE 0 - 1/8 (0.053 mi.)	B27	36
WEINSTEIN HERMAN AUTO REPR	407 NIAGARA ST	NNW 0 - 1/8 (0.079 mi.)	F35	43
WEINSTEIN HERMAN AUTO REPR	409 NIAGARA ST	NNW 0 - 1/8 (0.083 mi.)	F37	46
CAMMARATA HAROLD AUTO REPR	218 VIRGINIA ST	ENE 0 - 1/8 (0.100 mi.)	H45	54
NIA AUTO CLINIC AUTO REPR	285 NIAGARA ST	SE 0 - 1/8 (0.116 mi.)	J51	58
AIKEN JOHN FILLING STA	428 NIAGARA ST	NNW 0 - 1/8 (0.123 mi.)	F57	69
GENTILLE PHILIP FILLING STA	436 NIAGARA ST	NNW 1/8 - 1/4 (0.140 mi.)	K60	70
TRONOLONES SERV GASOLINE STA	359 7TH ST	NW 1/8 - 1/4 (0.144 mi.)	M63	71
VACANTI JAS J FILLING STA	440 NIAGARA ST	NNW 1/8 - 1/4 (0.148 mi.)	K66	72
NOTTO WM L REPR SHOP	238 VIRGINIA ST	ENE 1/8 - 1/4 (0.149 mi.)	N68	73
YOUNG RUSSELL AUTO REPR	227 WHITNEY PL	NNE 1/8 - 1/4 (0.151 mi.)	69	73
NOTTO WM L REPR SHOP	243 VIRGINIA ST	ENE 1/8 - 1/4 (0.158 mi.)	N70	73
MARTINELLI ANTHONY J GAS STA	446 NIAGARA ST	NNW 1/8 - 1/4 (0.161 mi.)	K71	73
HAROLDS AUTO SERV AUTO REPR	208 CAROLINA ST	ESE 1/8 - 1/4 (0.169 mi.)	P74	74
BUFFALO AUTO HOSP AUTO REPR	250 VIRGINIA ST	ENE 1/8 - 1/4 (0.171 mi.)	N77	75
DIVITA SAML AUTO REPR	375 7TH ST	NW 1/8 - 1/4 (0.172 mi.)	M78	75
MENDYS COLLISION SERV AUTO REP	115 HUDSON ST	NW 1/8 - 1/4 (0.200 mi.)	U93	91

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HENDEES GARAGE	234 CAROLINA ST	ESE 1/8 - 1/4 (0.203 mi.)	W96	92
DELGAUDIO THOS	34 PROSPECT AVE	SE 1/8 - 1/4 (0.247 mi.)	AA119	106
SLOAN JAS AUTO REPR	261 CAROLINA ST	E 1/8 - 1/4 (0.249 mi.)	Z120	106

Lower Elevation	Address	Direction / Distance	Map ID	Page
REAR VIRGINIA AUTO HOSP	326 NIAGARA ST	SE 0 - 1/8 (0.030 mi.)	B20	31
FRANKS AUTO SERV	118 VIRGINIA ST	SSW 0 - 1/8 (0.065 mi.)	D30	38
FRISICARO CHAS FILL ST&	259 BUSTI AVE	WSW 0 - 1/8 (0.092 mi.)	G39	50
LEONE BROS FILL STA	315 BUSTI AVE	W 0 - 1/8 (0.119 mi.)	56	69
SILVAGNIA RALPH MACH	165 TRENTON AVE	WSW 1/8 - 1/4 (0.144 mi.)	L62	71
ARNO JOS ELEC REPR	259 NIAGARA ST	SE 1/8 - 1/4 (0.167 mi.)	O73	74
ARNO JOS ELEC REPR	257 NIAGARA ST	SE 1/8 - 1/4 (0.169 mi.)	O75	75
SONNYS KAR CLINIC GAR	350 BUSTI AVE	WNW 1/8 - 1/4 (0.170 mi.)	Q76	75
PANEPINO CHAS AUTO REPR	183 EFNER ST	WSW 1/8 - 1/4 (0.189 mi.)	R86	88
WOZNIAK AL AUTO REPR	160 EFNER ST	WSW 1/8 - 1/4 (0.191 mi.)	R88	89
CATALANO CRUCIANO FILLING STA	233 NIAGARA ST	SE 1/8 - 1/4 (0.212 mi.)	O103	94
VACANT LOUIS A FILLING STA	384 BUSTI AVE	WNW 1/8 - 1/4 (0.226 mi.)	U113	101

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 50 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BARILE JAS B CLO CLNRS	341 NIAGARA ST	ESE 0 - 1/8 (0.010 mi.)	A13	22
WASHI SELF I LAUNDER CENTER	339 NIAGARA ST	ESE 0 - 1/8 (0.011 mi.)	A14	23
VENTRESCA JAS RUG CLNR	331 NIAGARA ST	ESE 0 - 1/8 (0.020 mi.)	B16	26
CAPIZZI MARY D MRS CLO CLN	389 NIAGARA ST	NNW 0 - 1/8 (0.039 mi.)	C22	32
PEREZ FRANCIS CLO CLNR	175 MARYLAND ST	N 0 - 1/8 (0.065 mi.)	C29	37
HI HAT CLEANERS	401 NIAGARA ST	NNW 0 - 1/8 (0.066 mi.)	C31	38
COLOSIMO CAESAR CLO CLNR	215 VIRGINIA ST	ENE 0 - 1/8 (0.096 mi.)	H43	52
MARYLAND CLEANERS	205 MARYLAND ST	NNE 0 - 1/8 (0.102 mi.)	I46	54
MARKEL CLEANING & DYEING WORKS	425 NIAGARA PHONES TUP	NNW 0 - 1/8 (0.116 mi.)	F49	56
MARKEL CLEANING & DYEING WORKS	425 NIAGARA ST	NNW 0 - 1/8 (0.117 mi.)	F53	59
SCHULTZ JOHN LNDRY	190 WHITNEY PL	NE 1/8 - 1/4 (0.128 mi.)	58	69
MARKEL CLEANING & DYEING WORKS	431 NIAGARA ST	NNW 1/8 - 1/4 (0.130 mi.)	K59	69
PARISI IGNATIUS DCLO CLNR	173 CAROLINA ST	SE 1/8 - 1/4 (0.144 mi.)	J61	70
VIRGINIA CLEANERS	236 VIRGINIA ST	ENE 1/8 - 1/4 (0.145 mi.)	N64	71
CIPOLLA SANTO CLO CLNR	238 VIRGINIA ST	ENE 1/8 - 1/4 (0.149 mi.)	N67	73
OLIVERI DOLORES MRS	220 CAROLINA ST	ESE 1/8 - 1/4 (0.184 mi.)	P81	76
CAROLINA SPEED WASH	224 CAROLINA ST	ESE 1/8 - 1/4 (0.189 mi.)	P85	88
FRONT SERVICE DRY CLEANERS	259 MARYLAND ST	NNE 1/8 - 1/4 (0.191 mi.)	S87	88
NIAGARA HUDSON CLEANING PLANT	178 HUDSON ST	NNW 1/8 - 1/4 (0.197 mi.)	T90	89
Not reported	461 NIAGARA ST	NNW 1/8 - 1/4 (0.197 mi.)	T91	89
LOCURTO CHAS CLO CLNR	263 VIRGINIA ST	ENE 1/8 - 1/4 (0.200 mi.)	V94	91
DOORWAY RUG RUG CLNS	234 CAROLINA ST	ESE 1/8 - 1/4 (0.203 mi.)	W95	92

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SING LEE INDRY	268 VIRGINIA ST	ENE 1/8 - 1/4 (0.208 mi.)	V100	93
HOROWITZ SAML CLO CLNR	468 NIAGARA ST	NNW 1/8 - 1/4 (0.209 mi.)	T101	93
DELMONTE BART CLO CLNR	394 7TH ST	NW 1/8 - 1/4 (0.211 mi.)	U102	94
HUDSON OLIVER TAILORING CO SAM	469 NIAGARA ST	NNW 1/8 - 1/4 (0.213 mi.)	T105	95
ZIRPOLA SALVATORE CLO CLNR	273 MARYLAND ST	NNE 1/8 - 1/4 (0.217 mi.)	S106	95
ECON O WASH AUTOMATIC LNDRY	471 NIAGARA ST	NNW 1/8 - 1/4 (0.217 mi.)	T107	95
COOKE CHAS DCLO CLNR	281 VIRGINIA ST	ENE 1/8 - 1/4 (0.236 mi.)	V115	101
FRONT SERVICE DRY CLEANERS	341 PROSPECT AVE	NNW 1/8 - 1/4 (0.237 mi.)	116	102
NOTARO PETER J CLO CLN	259 CAROLINA ST	E 1/8 - 1/4 (0.245 mi.)	Z118	105

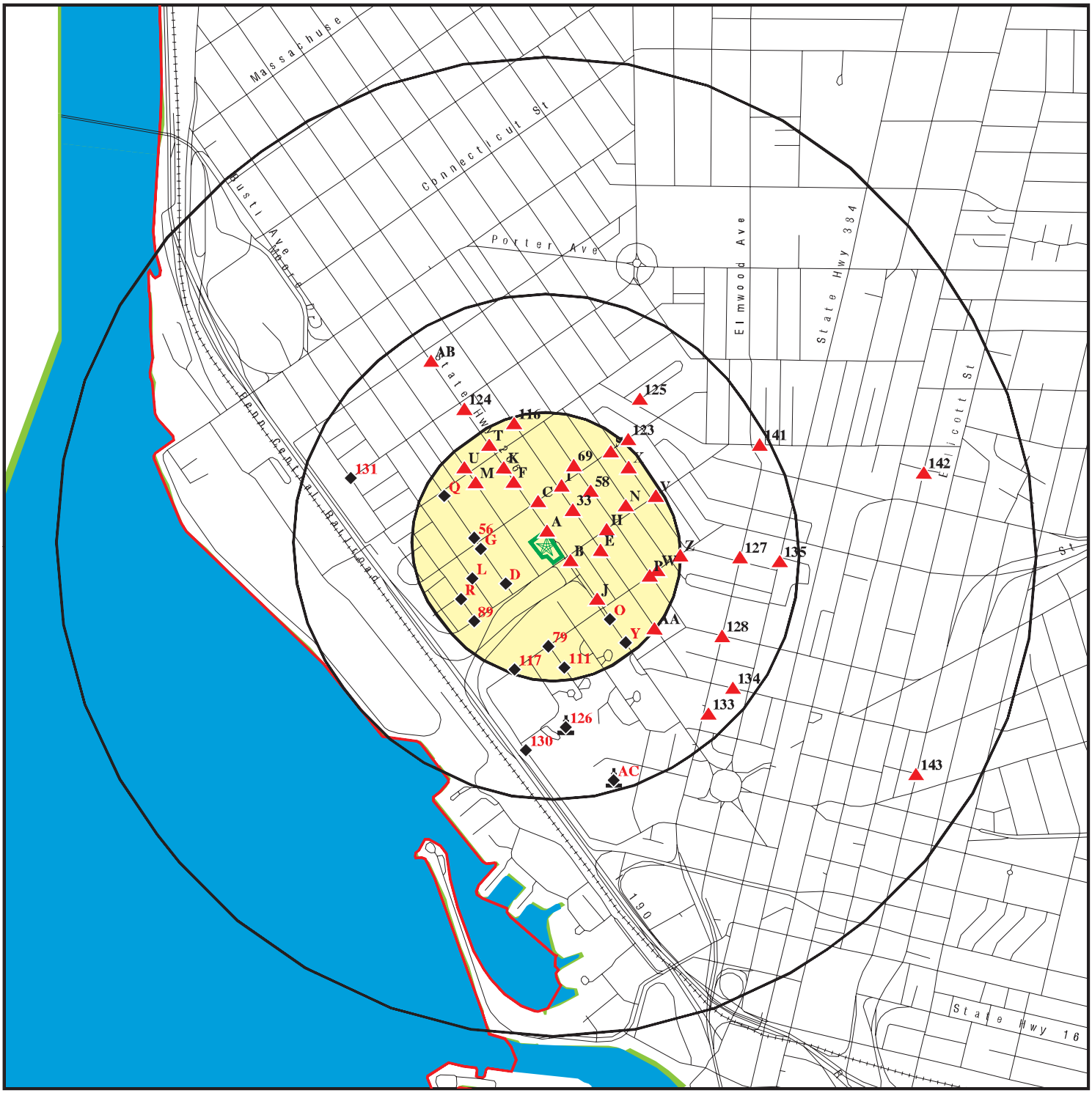
Lower Elevation	Address	Direction / Distance	Map ID	Page
WESSELMANN L E INC CLNRS	322 NIAGARA ST	SE 0 - 1/8 (0.039 mi.)	B23	32
WESSELMANN L E INC L E WESSEL	318 NIAGARA ST	SE 0 - 1/8 (0.047 mi.)	B24	32
GNOZZO VITO CLO CLNR	221 BUSTI AVE	SW 0 - 1/8 (0.095 mi.)	D40	50
LODICO CHAS F CLO CLN	238 BUSTI AVE	WSW 0 - 1/8 (0.095 mi.)	G41	50
BROUGHMAN SYLAS W CLO CLNS	296 BUSTI AVE	W 0 - 1/8 (0.106 mi.)	G47	54
LOFASO STEVEN J	136 TRENTON AVE	WSW 1/8 - 1/4 (0.146 mi.)	L65	72
SOO WONG INDRY	259 NIAGARA ST	SE 1/8 - 1/4 (0.167 mi.)	O72	74
TRUILIZIO FRANK CLO CLNR	95 CAROLINA ST	S 1/8 - 1/4 (0.177 mi.)	79	76
SUPER FINE CLEANERS	359 BUSTI AVE	WNW 1/8 - 1/4 (0.180 mi.)	Q80	76
Not reported	247 NIAGARA ST	SE 1/8 - 1/4 (0.187 mi.)	O84	87
PINTO CLEANERS & DYERS	47 VIRGINIA ST	SW 1/8 - 1/4 (0.197 mi.)	89	89
PARISI IGNAZIO CLO CLNRS	237 NIAGARA ST	SE 1/8 - 1/4 (0.205 mi.)	O97	92
DELMONTE CLEANERS & DYERS	110 HUDSON ST	NW 1/8 - 1/4 (0.206 mi.)	U98	92
VERSO JNS CLNR	374 BUSTI AVE	WNW 1/8 - 1/4 (0.206 mi.)	Q99	93
Not reported	233 NIAGARA ST	SE 1/8 - 1/4 (0.212 mi.)	O104	94
MANGANELLO MARY CLO CLNR	383 BUSTI AVE	WNW 1/8 - 1/4 (0.222 mi.)	U109	96
BARILE JOHN T CLO CLNR	95 BUSTI AVE	S 1/8 - 1/4 (0.223 mi.)	111	100
DUPLEX LAUNDERETTE SELF SERV	382 BUSTI AVE	WNW 1/8 - 1/4 (0.223 mi.)	U112	100
JOHNSON PARK DRY CLEANING	225 NIAGARA ST	SE 1/8 - 1/4 (0.226 mi.)	Y114	101

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 40 records.

Site Name	Database(s)
NYSDOT	FINDS,MANIFEST,RCRA-NLR
NYSDOT - BIN 1022741	FINDS,RCRA-NLR,MANIFEST
NYSDOT	FINDS,RCRA-NLR,MANIFEST
NYSDOT BIN 1022609	MANIFEST
NYSDOT	FINDS,RCRA-NLR,MANIFEST
NYSDOT	FINDS,RCRA-NLR,MANIFEST
NYSDOT	FINDS,RCRA-NLR,MANIFEST
NYSDOT	FINDS,MANIFEST,RCRA-NLR
NYSDOT BIN 1022890	MANIFEST
NYSDOT BIN 1022790	MANIFEST
NYSDOT BIN 1022590	MANIFEST
NYSDOT - BIN #1063100	RCRA-LQG,MANIFEST
NEW YORK STATE THRUWAY AUTHORITY	FINDS,RCRA-NLR,MANIFEST
NYS DOT	RCRA-CESQG,MANIFEST
NYSDOT BIN 1039990	MANIFEST
NYSDOT BIN 1022880	MANIFEST
NEW YORK STATE THRUWAY AUTHORITY	FINDS,RCRA-NLR,MANIFEST
NYS DOT D259471	FINDS,MANIFEST,RCRA-CESQG,MANIFEST
NYSDOT BIN 1042780	MANIFEST
BUFFALO POLICE RADIO TOWE	LTANKS
UNKNOWN TRUCK	LTANKS
NYS DOT BIN 1039899	RCRA-LQG
NYSDOT BIN 552015G	RCRA-LQG
NYS THRUWAY AUTH BIN 100157C	FINDS,RCRA-NLR
NYSDEC REGION 9	FINDS,RCRA-NLR
NYS THRUWAY AUTH BIN 552015H	FINDS,RCRA-NLR
BUFFALO CITY OF PARKS DEPT	FINDS,RCRA-NLR
CITY OF BFLO PARKS DEPT	SPILLS
BRENTON - BLUE LIQUID	SPILLS
OIL ON ROAD	SPILLS
OIL ON ROUTE 33 WESTBOUND	SPILLS
NSYDOT PUMPHOUSE RT. 33	SPILLS
KIELSA TANKER	SPILLS
TANKER KIISLA	SPILLS
OIL ON SKYWAY	SPILLS
TRUCK ON SKYWAY	SPILLS
SKYWAY CONTRACTOR	SPILLS
INTEGRATED WASTE SYSTEM	SPILLS
WASTE OIL NEAR RR YARD	SPILLS
MARK TWAIN MV NY9104GH	SPILLS

OVERVIEW MAP - 3776966.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

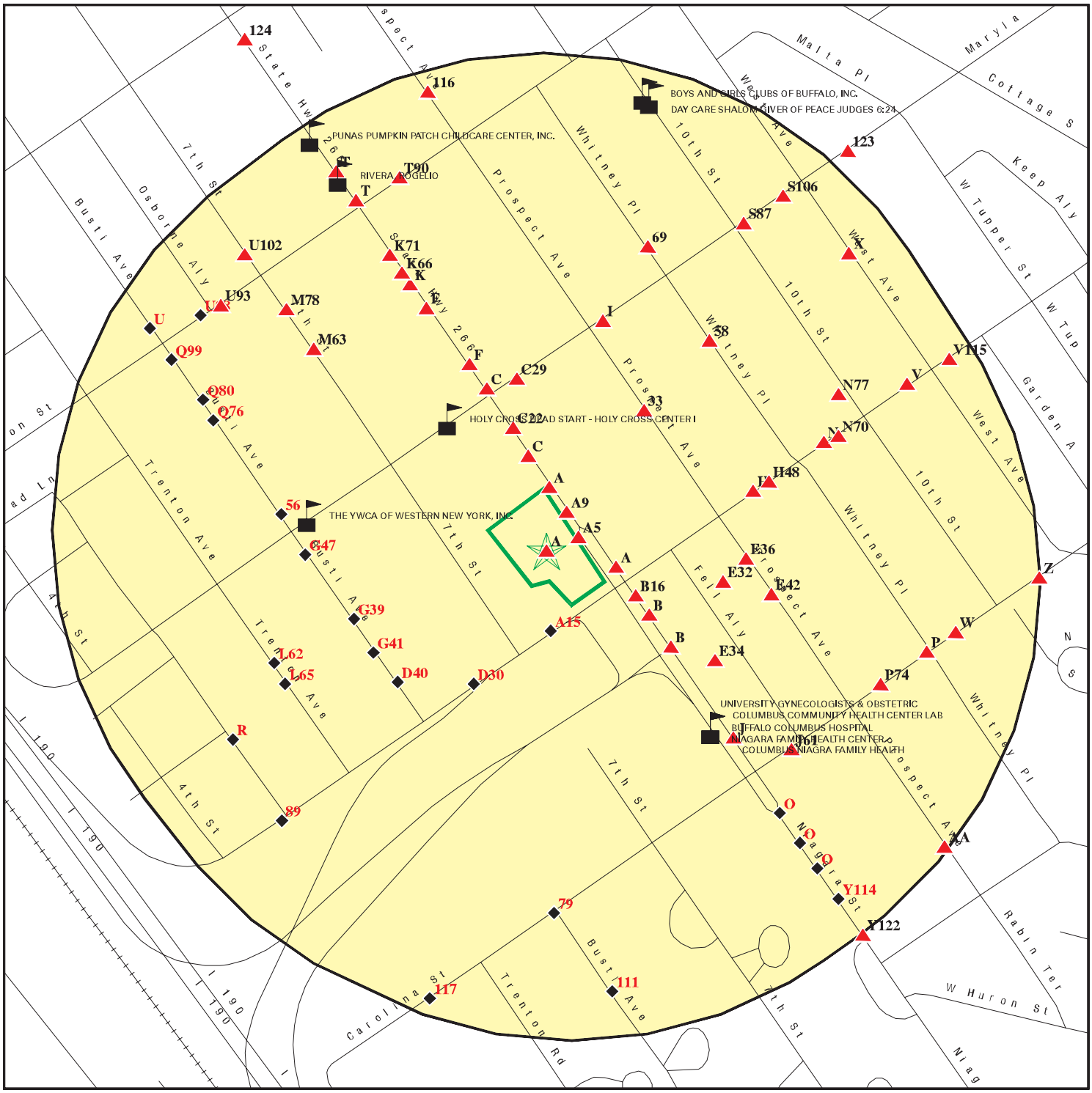
State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Rite Aid	CLIENT:	Property Solutions, Inc.
ADDRESS:	350 Niagara Street Buffalo NY 14201	CONTACT:	Rebecca Ludwig
LAT/LONG:	42.8937 / 78.8856	INQUIRY #:	3776966.2s
		DATE:	November 05, 2013 12:56 pm

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DETAIL MAP - 3776966.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Rite Aid	CLIENT:	Property Solutions, Inc.
ADDRESS:	350 Niagara Street Buffalo NY 14201	CONTACT:	Rebecca Ludwig
LAT/LONG:	42.8937 / 78.8856	INQUIRY #:	3776966.2s
		DATE:	November 05, 2013 1:00 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	2	NR	2
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250	1	2	0	NR	NR	NR	3
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	1	0	0	NR	1
VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LTANKS	0.500		4	0	12	NR	NR	16
HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
TANKS	0.250		0	0	NR	NR	NR	0
UST	0.250		2	0	NR	NR	NR	2
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
AST	0.250		1	0	NR	NR	NR	1
CBS AST	0.250		0	0	NR	NR	NR	0
MOSF AST	0.500		0	0	0	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
CBS	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	3	NR	NR	3
RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	1	NR	NR	1
State and tribal Brownfields sites								
ERP	0.500		0	0	0	NR	NR	0
BROWNFIELDS	0.500		1	0	4	NR	NR	5
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		0	0	NR	NR	NR	0
HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		7	NR	NR	NR	NR	7
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
SPILLS 90	0.125		0	NR	NR	NR	NR	0
SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	3	NR	NR	NR	5
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
HSWDS	0.500		0	0	1	NR	NR	1
UIC	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250	1	3	3	NR	NR	NR	7
DRYCLEANERS	0.250		0	2	NR	NR	NR	2
SPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
E DESIGNATION	0.125		0	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	2	0	NR	2
EDR US Hist Auto Stat	0.250		19	22	NR	NR	NR	41
EDR US Hist Cleaners	0.250	1	15	35	NR	NR	NR	51

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **COMPRESSED AIR CARPET & RUG CLNG CO INC** **EDR US Hist Cleaners** **1014536384**
Target Property **350 NIAGARA ST** **N/A**
BUFFALO, NY

Site 1 of 15 in cluster A

Actual: 598 ft.

EDR Historical Cleaners:

Name: COMPRESSED AIR CARPET & RUG CLEANING CO INC THOS KAVANY PRES JOHN J WH
Year: 1925
Type: CARPET CLEANERS

Name: COMPRESSED AIR CARPET & RUG
Year: 1930
Type: CARPET CLEANERS AND LAYERS

Name: COMPRESSED AIR CARPET & RUG CLEANING CO INC
Year: 1935
Type: CARPET CLEANERS AND LAYERS

Name: COMPRESSED AIR CARPET & RUG CLNG CO INC
Year: 1940
Type: CARPET CLEANERS AND LAYERS

Name: COMPRESSED AIR CARPET & RUG CLNG CO INC
Year: 1946
Type: CARPET CLEANERS AND LAYERS

Name: COMPRESSED AIR CARPET & RUG CLNG CO INC
Year: 1950
Type: CARPET AND RUG CLEANERS

Name: COMPRESSED AIR CARPET & RUG CLNG CO INC
Year: 1955
Type: CARPET AND RUG CLEANERS

Name: COMPRESSED AIR CARPET RUG CLN CO INC
Year: 1960
Type: CARPET AND RUG CLEANERS

Name: COMPRESSED AIR CARPET RUG CLN CO INC
Year: 1964
Type: CARPET AND RUG CLEANERS

A2 **RITE AID #497** **FINDS** **1016044368**
Target Property **350 NIAGARA ST** **N/A**
BUFFALO, NY

Site 2 of 15 in cluster A

Actual: 598 ft.

FINDS:

Registry ID: 110044920743

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A3 Target Property **RITE AID #497**
350 NIAGARA ST
BUFFALO, NY 14201

MANIFEST **S112818375**
N/A

Site 3 of 15 in cluster A

Actual: 598 ft.

NY MANIFEST:

EPA ID:	NYR000189753
Country:	USA
Mailing Name:	RITE AID #497
Mailing Contact:	RITE AID #497
Mailing Address:	350 NIAGARA ST
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	716-853-3111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD983872698
Trans2 State ID:	NJD054126164
Generator Ship Date:	27-May-2013 00:00:00
Trans1 Recv Date:	27-May-2013 00:00:00
Trans2 Recv Date:	30-May-2013 00:00:00
TSD Site Recv Date:	07-Jun-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000189753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005534435FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

RITE AID #497 (Continued) **S112818375**

Trans1 State ID:	CTD983872698
Trans2 State ID:	OKD981588791
Generator Ship Date:	27-Feb-2013 00:00:00
Trans1 Recv Date:	27-Feb-2013 00:00:00
Trans2 Recv Date:	01-Mar-2013 00:00:00
TSD Site Recv Date:	15-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000189753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005885084FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	OKD981588791
Generator Ship Date:	27-Feb-2013 00:00:00
Trans1 Recv Date:	27-Feb-2013 00:00:00
Trans2 Recv Date:	01-Mar-2013 00:00:00
TSD Site Recv Date:	15-Mar-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000189753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	1
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	005885084FLE

RITE AID #497 (Continued) **S112818375**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJD054126164
Generator Ship Date:	2012-09-21
Trans1 Recv Date:	2012-09-21
Trans2 Recv Date:	2012-09-28
TSD Site Recv Date:	2012-10-09
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000189753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	3.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005838567FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJD054126164
Generator Ship Date:	2012-09-21
Trans1 Recv Date:	2012-09-21
Trans2 Recv Date:	2012-09-28
TSD Site Recv Date:	2012-10-09

RITE AID #497 (Continued) **S112818375**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000189753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005838567FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJD054126164
Generator Ship Date:	2012-09-21
Trans1 Recv Date:	2012-09-21
Trans2 Recv Date:	2012-09-28
TSD Site Recv Date:	2012-10-09
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000189753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	2.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005838567FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

RITE AID #497 (Continued) **S112818375**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	OKD981588791
Generator Ship Date:	2012-11-28
Trans1 Recv Date:	2012-11-28
Trans2 Recv Date:	2012-12-06
TSD Site Recv Date:	2012-12-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000189753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197
Waste Code:	Not reported
Quantity:	3.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005885420FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	OKD981588791
Generator Ship Date:	2012-11-28
Trans1 Recv Date:	2012-11-28
Trans2 Recv Date:	2012-12-06
TSD Site Recv Date:	2012-12-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000189753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	INR000110197

RITE AID #497 (Continued) **S112818375**

Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	005885420FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

A4 Target Property **RITE AID #497** **RCRA-CESQG** **1014927185**
350 NIAGARA ST **NYR000189753**
BUFFALO, NY 14201

Site 4 of 15 in cluster A

Actual: 598 ft.

RCRA-CESQG:

Date form received by agency:	11/04/2011
Facility name:	RITE AID #497
Facility address:	350 NIAGARA ST BUFFALO, NY 14201
EPA ID:	NYR000189753
Mailing address:	HUNTER LANE CAMP HILL, PA 17011
Contact:	STEPHANIE A CAIATI
Contact address:	HUNTER LANE CAMP HILL, PA 17011
Contact country:	US
Contact telephone:	(717) 730-8225
Contact email:	SSCAIATI@RITEAID.COM
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

RITE AID #497 (Continued) **1014927185**

Owner/Operator Summary:

Owner/operator name:	RITE AID CORP
Owner/operator address:	HUNTER LANE
	CAMP HILL, PA 17011
Owner/operator country:	US
Owner/operator telephone:	(717) 761-2633
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/07/1978
Owner/Op end date:	Not reported

Owner/operator name:	RITE AID CORP
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/07/1978
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

RITE AID #497 (Continued) **1014927185**

Waste code: D007
Waste name: CHROMIUM

Waste code: D009
Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

Waste code: D024
Waste name: M-CRESOL

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P075
Waste name: NICOTINE, & SALTS

Violation Status: No violations found

A5 **MONTANA ANGELO AUTO REPR** **EDR US Hist Auto Stat** **1014539652**
ENE **354 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.002 mi.
8 ft. **Site 5 of 15 in cluster A**

Relative:
Higher

Actual:
599 ft.

EDR Historical Auto Stations:

Name: KAISER & DYER AUTO REPRS
Year: 1930
Type: AUTOMOBILE REPAIRING

Name: MONTANA ANGELO AUTO REPR
Year: 1946
Type: AUTOMOBILE REPAIRING

A6 **VIRGINIA SERV STA INC** **EDR US Hist Auto Stat** **1014537246**
ESE **340 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.002 mi.
11 ft. **Site 6 of 15 in cluster A**

Relative:
Higher

Actual:
598 ft.

EDR Historical Auto Stations:

Name: BRENNER RALPH L FILLING STA
Year: 1946
Type: GASOLINE AND OIL SERVICE STATIONS

Name: BRENNER RALPH L FILLING STA
Year: 1950
Type: GASOLINE STATIONS

Name: BRENNER RALPH L GAS STA
Year: 1955
Type: GASOLINE STATIONS

Name: NIAGARA TEXACO SERVICE STATION
Year: 1960

VIRGINIA SERV STA INC (Continued) **1014537246**

Type: GASOLINE STATIONS

Name: VIRGINIA SERV STA INC
Year: 1964
Type: GASOLINE STATIONS

Name: SPEAKERS BILL TEXACO GAS STA
Year: 1970
Type: GASOLINE STATIONS

Name: SPEAKERS BILL TEXACO SERVICE
Year: 1975
Type: GASOLINE STATIONS

Name: SPIROS GARAGE AUTO REPR
Year: 1992
Type: AUTOMOBILE REPAIRING & SERVICE

A7 **GOODYEAR 1138** **AST** **A100350618**
North **370-380 NIAGARA STREET** **N/A**
< 1/8 **BUFFALO, NY 14201**
0.003 mi.
17 ft. **Site 7 of 15 in cluster A**

Relative:
Higher

Actual:
599 ft.

AST:
Region: STATE
DEC Region: 9
Site Status: Active
Facility Id: 9-601185
Program Type: PBS
UTM X: 182729.85876999999
UTM Y: 4756397.5942799998
Expiration Date: 2015/06/01
Site Type: Auto Service/Repair (No Gasoline Sales)

Affiliation Records:
Site Id: 435471
Affiliation Type: Facility Owner
Company Name: GOODYEAR TIRE & RUBBER CO.
Contact Type: DISTRICT MANAGER
Contact Name: JAMES MONAGHAN
Address1: 1144 EAST MARKET STREET
Address2: Not reported
City: AKRON
State: OH
Zip Code: 44316
Country Code: 001
Phone: (330) 796-2121
EMail: Not reported
Fax Number: Not reported
Modified By: TJWALKER
Date Last Modified: 1/3/2011

Site Id: 435471
Affiliation Type: Mail Contact
Company Name: GOODYEAR AUTO SERVICE CENTER
Contact Type: Not reported
Contact Name: PHIL HITZGES

GOODYEAR 1138 (Continued) **A100350618**

Address1:	370-380 NIAGARA STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14201
Country Code:	001
Phone:	(716) 854-2014
EMail:	GSR1138@GOODYEAR.COM
Fax Number:	Not reported
Modified By:	LDGOMEZ
Date Last Modified:	6/1/2010

Site Id:	435471
Affiliation Type:	On-Site Operator
Company Name:	GOODYEAR 1138
Contact Type:	Not reported
Contact Name:	PHIL HITZGES
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 854-2014
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TJWALKER
Date Last Modified:	1/3/2011

Site Id:	435471
Affiliation Type:	Emergency Contact
Company Name:	GOODYEAR TIRE & RUBBER CO.
Contact Type:	Not reported
Contact Name:	GOODYEAR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(330) 796-2121
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TJWALKER
Date Last Modified:	1/3/2011

Tank Info:

Tank Number:	0001
Tank Id:	234626
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)

GOODYEAR 1138 (Continued) **A100350618**

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
G00 - Tank Secondary Containment - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	245
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	06/01/2010
Material Name:	Waste Oil/Used Oil

A8 **GOODYEAR AUTO SVC CTR AUTO** **EDR US Hist Auto Stat** **1014538857**
North **370 NIAGARA SQ** **N/A**
< 1/8 **BUFFALO, NY 14201**
0.003 mi.
17 ft. **Site 8 of 15 in cluster A**

Relative:
Higher

Actual:
599 ft.

EDR Historical Auto Stations:

Name:	GOODYEAR AUTO SVC CTR AUTO
Year:	2008
Type:	AUTOMOBILE REPAIRING & SERVICE
Name:	GOODYEAR AUTO SERVICE CENTERS
Year:	1999
Address:	370 NIAGARA ST
Name:	GOODYEAR AUTO SERVICE CENTERS
Year:	2000
Address:	370 NIAGARA ST
Name:	GOODYEAR AUTO SERVICE CENTERS
Year:	2003
Address:	370 NIAGARA ST
Name:	GOODYEAR AUTO SERVICE CENTERS
Year:	2009
Address:	370 NIAGARA ST
Name:	GOODYEAR AUTO SERVICE CENTERS
Year:	2011
Address:	370 NIAGARA ST
Name:	GOODYEAR AUTO SERVICE CENTERS
Year:	2012

GOODYEAR AUTO SVC CTR AUTO (Continued) **1014538857**

Address: 370 NIAGARA ST

A9 **TESTA BROS FILL STA** **EDR US Hist Auto Stat** **1014539394**
NNE **362 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.004 mi.
20 ft. **Site 9 of 15 in cluster A**

Relative:
Higher

Actual:
599 ft.

EDR Historical Auto Stations:
Name: TESTA BROS FILL STA
Year: 1930
Type: GASOLINE AND OIL SERVICE STATIONS

A10 **MONTANO ANGELO AUTO REPR** **EDR US Hist Auto Stat** **1014539686**
North **369 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.005 mi.
27 ft. **Site 10 of 15 in cluster A**

Relative:
Higher

Actual:
599 ft.

EDR Historical Auto Stations:
Name: MONTANO ANGELO AUTO REPR
Year: 1930
Type: AUTOMOBILE REPAIRING

Name: MONTANA ANGELO FILLING STA
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

Name: MONTANA ANGELO FILLING STA
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

A11 **SAMMY'S COLLISION** **RCRA-CESQG** **1011863390**
North **369 NIAGARA ST** **NYN008019747**
< 1/8 **BUFFALO, NY 14201**
0.005 mi.
27 ft. **Site 11 of 15 in cluster A**

Relative:
Higher

Actual:
599 ft.

RCRA-CESQG:
Date form received by agency: 08/12/2008
Facility name: SAMMY'S COLLISION
Facility address: 369 NIAGARA ST
BUFFALO, NY 14201
EPA ID: NYN008019747
Mailing address: NIAGARA ST
BUFFALO, NY 14201
Contact: SAM BUSCARINO
Contact address: NIAGARA ST
BUFFALO, NY 14201
Contact country: US
Contact telephone: (716) 854-5441
Contact email: Not reported
EPA Region: 02
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator

SAMMY'S COLLISION (Continued) **1011863390**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

SAMMY'S COLLISION (Continued) **1011863390**

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: Listing - General
- Date violation determined: 07/07/2008
- Date achieved compliance: 07/15/2008
- Violation lead agency: State
- Enforcement action: WRITTEN INFORMAL
- Enforcement action date: 07/10/2008
- Enf. disposition status: Action Satisfied (Case Closed)
- Enf. disp. status date: 07/22/2008
- Enforcement lead agency: State
- Proposed penalty amount: Not reported
- Final penalty amount: Not reported
- Paid penalty amount: Not reported

Evaluation Action Summary:
- Evaluation date: 07/07/2008
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Listing - General
- Date achieved compliance: 07/15/2008
- Evaluation lead agency: State

A12 **DOLLAR AUTO LNDY** **EDR US Hist Auto Stat** **1014537296**
NNE **365 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.005 mi.
28 ft. **Site 12 of 15 in cluster A**

Relative: Higher

Actual: 599 ft.

EDR Historical Auto Stations:
- Name: DOLLAR AUTO LNDY
- Year: 1930
- Type: AUTOMOBILE LAUNDRIES

- Name: DELS MAINLINE COLLISION
- Year: 2002
- Address: 365 NIAGARA ST

A13 **BARILE JAS B CLO CLNRS** **EDR US Hist Cleaners** **1014536101**
ESE **341 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.010 mi.
55 ft. **Site 13 of 15 in cluster A**

Relative: Higher

Actual: 598 ft.

EDR Historical Cleaners:
- Name: BARILE JAS B CLO CLNRS
- Year: 1946
- Type: CLEANERS AND DYERS

- Name: JAY BEE CLEANERS

BARILE JAS B CLO CLNRS (Continued) **1014536101**

Year: 1950
Type: CLEANERS AND DYERS

A14
ESE
< 1/8
0.011 mi.
56 ft.

WASHI SELF I LAUNDER CENTER **EDR US Hist Cleaners** **1014536048**
339 NIAGARA ST **N/A**
BUFFALO, NY 14201

Site 14 of 15 in cluster A

Relative:
Higher

Actual:
598 ft.

EDR Historical Cleaners:
Name: WASHI SELFI LAUNDER CENTER
Year: 1964
Type: LAUNDRIES - SELF SERVE

Name: WASHI SELF I LAUNDER CENTER
Year: 1970
Type: LAUNDRIES - SELF SERVE

A15
South
< 1/8
0.019 mi.
101 ft.

SPAULDING ALLEN P JR **RCRA NonGen / NLR** **1001818151**
146-148 VIRGINIA ST **FINDS** **NYR000076380**
BUFFALO, NY **MANIFEST**

Site 15 of 15 in cluster A

Relative:
Lower

Actual:
596 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: SPAULDING ALLEN P JR
Facility address: 146-148 VIRGINIA ST
BUFFALO, NY 14201
EPA ID: NYR000076380
Mailing address: COLLEGE ST
BUFFALO, NY 142012002
Contact: HOLLY SPAULDING
Contact address: COLLEGE ST
BUFFALO, NY 142012002
Contact country: US
Contact telephone: (716) 881-1604
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ALLEN P SPAULDING JR
Owner/operator address: 8 COLLEGE ST
BUFFALO, NY 14201
Owner/operator country: US
Owner/operator telephone: (716) 881-1604
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ALLEN P SPAULDING JR
Owner/operator address: 8 COLLEGE ST
BUFFALO, NY 14201

SPAULDING ALLEN P JR (Continued) **1001818151**

Owner/operator country: US
Owner/operator telephone: (716) 881-1604
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SPAULDING ALLEN P JR
Classification: Not a generator, verified

Date form received by agency: 09/09/1999
Facility name: SPAULDING ALLEN P JR
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004556230

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000076380
Country: USA
Mailing Name: HOLLY SPAULDING
Mailing Contact: ALLEN SPAULDING
Mailing Address: 146-148 VIRGINIA ST
Mailing Address 2: Not reported
Mailing City: BUFFALO

SPAULDING ALLEN P JR (Continued) **1001818151**

Mailing State:	NY
Mailing Zip:	14201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	716-881-1604

Document ID:	NYB8136459
Manifest Status:	Not reported
Trans1 State ID:	NYD982792814
Trans2 State ID:	NJD080631369
Generator Ship Date:	09/24/1999
Trans1 Recv Date:	09/24/1999
Trans2 Recv Date:	09/24/1999
TSD Site Recv Date:	10/01/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000076380
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	80368VNY
Waste Code:	U154 - METHANOL
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	P030 - CYANIDES N.O.S.
Quantity:	00035
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00035
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8136459
Manifest Status:	Not reported
Trans1 State ID:	NYD982792814
Trans2 State ID:	NJD080631369
Generator Ship Date:	09/24/1999

SPAULDING ALLEN P JR (Continued) **1001818151**

Trans1 Recv Date:	09/24/1999
Trans2 Recv Date:	09/24/1999
TSD Site Recv Date:	10/01/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000076380
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	80368VNY
Waste Code:	U122 - FORMALDEHYDE
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00015
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

B16 **VENTRESCA JAS RUG CLNR** **EDR US Hist Cleaners** **1014536318**
ESE **331 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.020 mi.
104 ft. **Site 1 of 8 in cluster B**

Relative: Higher

Actual: 598 ft.

EDR Historical Cleaners:

Name:	VENTRESCA JAS RUG CLNR
Year:	1946
Type:	CARPET CLEANERS AND LAYERS

C17 **GOODYEAR AUTO SERVICE CENTER** **RCRA-CESQG** **1004758116**
North **380 NIAGARA ST** **FINDS** **NYD986982973**
< 1/8 **BUFFALO, NY**
0.021 mi.
110 ft. **Site 1 of 7 in cluster C**

Relative: Higher

Actual: 599 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	GOODYEAR AUTO SERVICE CENTER
Facility address:	380 NIAGARA ST BUFFALO, NY 14201
EPA ID:	NYD986982973
Mailing address:	NIAGARA ST

GOODYEAR AUTO SERVICE CENTER (Continued) **1004758116**

BUFFALO, NY 14201
Contact: PAUL FARRELL
Contact address: NIAGARA ST
BUFFALO, NY 14201
Contact country: US
Contact telephone: (716) 854-2014
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: THE GOODYEAR TIRE & RUBBER CO
Owner/operator address: 1144 E MARKET ST
AKRON, OH 44316
Owner/operator country: US
Owner/operator telephone: (216) 796-6240
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: THE GOODYEAR TIRE & RUBBER CO
Owner/operator address: 1144 E MARKET ST
AKRON, OH 44316
Owner/operator country: US
Owner/operator telephone: (216) 796-6240
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

GOODYEAR AUTO SERVICE CENTER (Continued) **1004758116**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: GOODYEAR AUTO SERVICE CENTER
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/12/1991
Facility name: GOODYEAR AUTO SERVICE CENTER
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004480918

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C18 **GOODYEAR** **LTANKS** **S103479394**
North **380 NIAGARA STREET** **MANIFEST** **N/A**
< 1/8 **BUFFALO, NY 14201**
0.021 mi.
110 ft. **Site 2 of 7 in cluster C**

Relative:
Higher

Actual:
599 ft.

LTANKS:
Site ID: 61951
Spill Number/Closed Date: 9806713 / 1/30/2001
Spill Date: 6/5/1997
Spill Cause: Tank Overfill
Spill Source: Commercial/Industrial
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 1502
Investigator: SACALAND
Referred To: Not reported
Reported to Dept: 8/8/1997
CID: 999
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0

GOODYEAR (Continued) **S103479394**

Date Entered In Computer: 8/31/1998
Spill Record Last Update: 2/16/2001
Spiller Name: TERRY NOTEBOTTOM
Spiller Company: GOODYEAR TIRE & RUBBER
Spiller Address: 1144 EAST MARKET STREET
Spiller City,St,Zip: AKRON, OH 44316-
Spiller County: 001
Spiller Contact: DENNIS J HOYT
Spiller Phone: (718) 773-1801
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 60108
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAC"09/12/98: SAC SENT LETTER REQUESTING RESAMPLING OF THE AREA WITH MATERIAL THAT WAS BACKFILLED, AND ALSO SIDE WALLS USING TCLP 8270 OR REMOVAL OF ANY CONTAMINATED MATERIAL.12/01/98: SAC TELECON BOB OSSMAN - EMCON AND CONTRACTOR FOR GOODYEAR, THEY ARE GOING WITH OPTION 1 AND RESAMPLE SIDEWALLS AND MATERIAL THAT WAS BACKFILLED AND ANALYZE THE SAMPLE USING TCLP METHOD 8270, MR. OSSMAN WILL SUBMIT FOUR PLANS TO GOODYEAR TO SEE WHICH ONE THEY WILL APPROVE, HE WILL CONTACT DEC WHEN WORK IS SCHEDULED.07/14/99: SAC TELECON BOB OSSMAN - EMCON, THEY COMPLETED GEOPROBE SITE ASSESSMENT, SAC TOLD HIM WE HAVE NOT RECEIVED ANY RESULTS, MR. OSSMAN WILL CHECK AND SEND REPORT TO DEC, RECEIVED REPORT VIA FAX MACHINE FROM MR. OSSMAN.07/15/99: SAC REVIEWED SITE ASSESSMENT REPORT FROM BOB OSSMAN, EMCON - SAMPLES WERE ANALYZED USING TOTAL VALUES AND NOT TCLP, GUIDANCE VALUES EXCEEDED AGAIN FOR SAMPLES AROUND THE TANK, SAMPLE RESULTS FOR THE MATERIAL INSIDE THE TANK HAD PARAMETERS THAT WERE NON-DETECT SAC TELECON BOB OSSMAN - EMCON, SAC ASKED IF THERE WERE ANY ODORS, OR STAINING NOTED IN THE BORINGS & MR. OSSMAN SAID THERE WERE NONE OBSERVED.07/19/99: SAC SENT OPTION LETTER FOR EITHER REMOVAL OR SAMPLING AND ANALYZING THE SAMPLES USING TCLP METHOD SINCE ONLY THE TOTAL METHOD HAS BEEN USED FOR ALL PREVIOUS ANALYSIS, REQUEST RESPONSE AND WORKPLAN BY 8/15/99.08/25/99: SAC RECEIVED WORKPLAN FROM BOB OSSMAN, EMCOM - PLAN CALLS FOR THE REMOVAL OF THE STAINED SOIL AND THEN CONFIRMATORY SAMPLING OF THE EXCAVATION BY EPA METHOD 8270 SINCE SAMPLING USING EPA METHOD 8021 IN THE TANK CLOSURE REPORT DATED 7/97 HAD RESULTS THAT WERE NON DETECTIBLE AND BELOW GUIDANCE VALUES, STAINED SOIL WILL BE DISPOSED.09/01/99: SAC SENT LETTER ACCEPTING WORKPLAN.02/28/00: SAC TELECON BOB OSSMAN, EMCOM - HE SUBMITTED WORKPLAN TO GOODYEAR BUT DID NOT HEAR BACK FROM THEM, THERE IS A NEW PROJECT MANAGER THERE AND HE WILL BE FOLLOWING UP WITH HER THIS WEEK, HE BELIEVES THE WORK WILL BE DONE SOON.06/13/00: SAC TELECON PAUL ROGERS, INSITE GROUP, PHONE NUMBER 330-733-2926, HE HAS BEEN ASKED TO GET INVOLVED WITH THE SITE, HE WILL BE DOING ADDITONAL SITE INVESTIGATION TO FURTHER DELINEATE THE EXTENT OF CONTAMINATION, HE IS ALSO LOOKING INTO THE POSSIBILITY OF INSITU BIOREMEDIATION AND WILL BE TAKING SAMPLES TO SEE WHICH MICROBES ARE PRESENT AND THE COUNT THAT USE PETROLEUM AS A FOOD SOURCE AND ALSO CHARACTERIZE THE SOIL TYPE ON-SITE, THEY MAY ALSO PERFORM A PILOT STUDY TO SEE IF IT IS CONDUCIVE TO INSITU BIOREMEDIATION, HE SAID THE NEW CONTACT FOR GOODYEAR IS KAREN BURLINGAME. 01/19/01: SAC RECEIVED PHASE II SITE CHARACTERIZATION REPORT DATED 10/2/00 BY INSITE GROUP.01/29/01: SAC REVIEWED SITE CHARACTERIZATION REPORT SIX BORINGS INSTALLED, FOUR THAT WERE AROUND THE PERIMETER OF THE SUSPECTED CONTAMINATED AREA AND TWO THAT WERE INSIDE THE SUSPECTED CONTAMINATED AREA, THE TWO BORINGS INSIDE THE SUSPECTED CONTAMINATED AREA HAD SLIGHT PETROLEUM ODORS, THE FOUR

GOODYEAR (Continued) **S103479394**

Remarks: BORINGS ON THE OUTSIDE WERE ANALYZED USING EPA METHOD 8270 DIRECT FOR STARS AND THE TWO THAT WERE INSODE THE SUSPECTED CONTAMINATED AREA WERE ANALYZED USING EPA METHOD 8270 TCLP, ALL PARAMETERS WERE BQL, DISCUSS SITE WITH RNL, NO FURTHER ACTION PER RNL, HOWEVER SINCE EMCON RESULTS EXCEED GUIDANCE VALUES AND NO RESAMPLING TOOK PLACE, SITE WILL HAVE INACTIVE STATUS, DRAFTED "I" LETTER.
SITE CLOSURE REPORT INDICATES SOME PNA COMPOUNDS EXCEEDED STARS GUIDANCE VALUES. GOODYEAR BELIEVES THEY ARE FROM COATING ON WASTE OIL TANK THAT HAS NOW BEEN REMOVED, CALL RECEIVED DATE ABOVE IS WHEN WE FIRST RECEIVED SITE ASSESSMENT REPORT.

Material:

Site ID:	61951
Operable Unit ID:	1067904
Operable Unit:	01
Material ID:	317860
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY MANIFEST:

EPA ID:	NYD986982973
Country:	USA
Mailing Name:	GOODYEAR
Mailing Contact:	GOODYEAR
Mailing Address:	380 NIAGARA STREET
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	716-854-2014

NY MANIFEST:

No Manifest Records Available

C19 **GOODYEAR AUTO SERVICE** **EDR US Hist Auto Stat** **1014537365**
North **380 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY 14201**
0.021 mi.
110 ft. **Site 3 of 7 in cluster C**

Relative: EDR Historical Auto Stations:
Higher

Name:	GOODYEAR AUTO SERVICE CENTER
Year:	1992
Type:	AUTOMOBILE REPAIRING & SERVICE

Actual:
599 ft.

Name:	GOODYEAR AUTO SERVICE
Year:	1998
Type:	AUTOMOBILE REPAIRING & SERVICE

Name:	GOODYEAR TIRE & RUBBER COMPANY THE GENL AUTO REPR SHOP
Year:	2001
Type:	AUTOMOBILE REPAIRING & SERVICE

Name:	GOODYEAR TIRE RUBBER
Year:	2005
Address:	380 NIAGARA ST

Name:	GOODYEAR TIRE RUBBER
Year:	2006
Address:	380 NIAGARA ST

B20 **REAR VIRGINIA AUTO HOSP** **EDR US Hist Auto Stat** **1014537496**
SE **326 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.030 mi.
160 ft. **Site 2 of 8 in cluster B**

Relative: EDR Historical Auto Stations:
Lower

Name:	VIRGINIA AUTO HOSP
Year:	1935
Type:	AUTOMOBILE REPAIRING

Actual:
597 ft.

Name:	VIRGINIA AUTO HOSP
Year:	1940
Type:	AUTOMOBILE REPAIRING

Name:	VIRGINIA AUTO HOSP
Year:	1950
Type:	AUTOMOBILE REPAIRING

Name:	REAR VIRGINIA AUTO HOSP
Year:	1955
Type:	AUTOMOBILE REPAIRING

Name:	REAR VIRGINIA AUTO HOSP AUTO REPR
Year:	1960
Type:	AUTOMOBILE REPAIRING

B21 **MANUELE JAS FILLING STA** **EDR US Hist Auto Stat** **1014539683**
ESE **325 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.032 mi.
168 ft. **Site 3 of 8 in cluster B**

Relative: EDR Historical Auto Stations:
Higher Name: MANUELE JAS FILLING STA
Year: 1940
Actual: Type: GASOLINE AND OIL SERVICE STATIONS
598 ft.

C22 **CAPIZZI MARY D MRS CLO CLN** **EDR US Hist Cleaners** **1014534859**
NNW **389 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.039 mi.
207 ft. **Site 4 of 7 in cluster C**

Relative: EDR Historical Cleaners:
Higher Name: CAPIZZI MARY D MRS CLO CLN
Year: 1955
Actual: Type: CLEANERS AND DYERS
601 ft.

B23 **WESSELMANN L E INC CLNRS** **EDR US Hist Cleaners** **1014536320**
SE **322 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.039 mi.
208 ft. **Site 4 of 8 in cluster B**

Relative: EDR Historical Cleaners:
Lower Name: WESSELMANN TREAS R F WESSELMANN SEC MFR CHEMICAL PRODUCTS
Year: 1925
Actual: Type: DYERS AND CLEANERS
597 ft.

Name: WESSELMANN TREAS R F WESSELMANN SEC MFR CHEMICAL PRODUCTS
Year: 1925
Type: CLOTHES CLEANERS

Name: WESSELMANN L E INC CLNRS
Year: 1946
Type: CLEANERS AND DYERS

Name: WESSELMANN L E INC CLO CLNR
Year: 1960
Type: CLEANERS AND DYERS

B24 **WESSELMANN L E INC L E WESSELMANN PRES** **EDR US Hist Cleaners** **1014535592**
SE **318 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.047 mi.
246 ft. **Site 5 of 8 in cluster B**

Relative: EDR Historical Cleaners:
Lower Name: WESSELMANN L E INC L E WESSELMANN PRES
Year: 1925
Actual: Type: DYERS AND CLEANERS
597 ft.

Name: WESSELMANN L E INC L E WESSELMANN PRES

WESSELMANN L E INC L E WESSELMANN PRES (Continued) **1014535592**

Year: 1925
Type: DRY CLEANERS

Name: WESSELMANN L E INC L E WESSELMANN PRES
Year: 1925
Type: CLOTHES CLEANERS

Name: 318 22 WESSELMANN L E INC ELN
Year: 1930
Type: CLEANERS GARMENTS CURTAINS AND DRAPERIES

Name: 318 22 WESSELMANN L E INC ELN
Year: 1930
Type: DYERS AND CLEANERS

Name: 318 22 WESSELMANN L E INC ELN
Year: 1930
Type: CLEANERS AND DYERS

Name: 318 22 WESSELMANN L E INC ELN
Year: 1930
Type: CLOTHES PRESSERS AND CLEANERS

Name: WESSELMANN L E INC CLNRS
Year: 1935
Type: DYERS AND CLEANERS

Name: WESSELMANN L E INC CLNRS
Year: 1940
Type: CLOTHES PRESSERS AND CLEANERS

Name: WESSELMANN L E INC CLNRS
Year: 1946
Type: CLEANERS AND DYERS

Name: WESSELMANN L E INC CLNRS
Year: 1950
Type: CLEANERS AND DYERS

Name: WESSELMANN L E INC CLNS
Year: 1955
Type: CLEANERS AND DYERS

Name: WESSELMANN L E INC CLO CLNR
Year: 1960
Type: CLEANERS AND DYERS

Name: WESSELMAN L E INC CLO CLNS
Year: 1964
Type: CLEANERS AND DYERS

B25
SE
< 1/8
0.053 mi.
282 ft.

MIDAS MUFFLER
315 NIAGARA ST
BUFFALO, NY

Site 6 of 8 in cluster B

NY Spills **S102174036**
N/A

Relative:
Higher

Actual:
598 ft.

SPILLS:

Facility ID:	9103361
DER Facility ID:	166659
Facility Type:	ER
Site ID:	200282
DEC Region:	9
Spill Date:	6/24/1991
Spill Number/Closed Date:	9103361 / 6/24/1991
Spill Cause:	Housekeeping
Spill Class:	Not reported
SWIS:	1502
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	6/24/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	6/24/1991
Cleanup Meets Std:	True
Last Inspection:	6/24/1991
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/2/2003
Spill Record Last Update:	12/2/2003
Spiller Name:	Not reported
Spiller Company:	MIDAS MUFFLER
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JDC"06/24/91: FOUND WASTE OIL SPILLED AT BASE OF WASTE OIL TANK, OVER SPILL ONLY. SPILLER APPLIED SPEEDY-DRY TO AREA AND WILL BE MOVING WASTE OIL TANK TO INSIDE. NO FURTHER ACTION OR FOLLOWUP REQUIRED.
Remarks:	WASTE OIL BEING SPILLED

Material:

Site ID:	200282
Operable Unit ID:	957399
Operable Unit:	01
Material ID:	425806
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	5
Resource Affected:	Not reported
Oxygenate:	False

MIDAS MUFFLER (Continued) **S102174036**

Tank Test:

B26 **MIDAS AUTO SVC EXPERTS AUTO** **EDR US Hist Auto Stat** **1014537846**
SE **315 NIAGARA SQ** **N/A**
< 1/8 **BUFFALO, NY 14201**
0.053 mi.
282 ft. **Site 7 of 8 in cluster B**

Relative: Higher

Actual: 598 ft.

EDR Historical Auto Stations:

Name:	MIDAS AUTO SVC EXPERTS AUTO
Year:	2008
Type:	AUTOMOBILE REPAIRING & SERVICE
Name:	MIDAS MUFFLER & BRAKE SHOPS
Year:	1999
Address:	315 NIAGARA ST
Name:	MIDAS MUFFLER & BRAKE SHOPS
Year:	2000
Address:	315 NIAGARA ST
Name:	MIDAS AUTO SERVICE EXPERTS
Year:	2002
Address:	315 NIAGARA ST
Name:	AUTO EXPERTS INC
Year:	2006
Address:	315 NIAGARA ST
Name:	AUTO EXPERTS INC
Year:	2007
Address:	315 NIAGARA ST
Name:	AUTO EXPERTS INC
Year:	2008
Address:	315 NIAGARA ST
Name:	MIDAS AUTO SVC EXPERTS
Year:	2010
Address:	315 NIAGARA ST
Name:	MIDAS AUTO SERVICE EXPERTS
Year:	2011
Address:	315 NIAGARA ST

B27 **MIDAS AUTO SYSTEMS AUTO REPR SHOPS** **EDR US Hist Auto Stat** **1014539308**
SE **315 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY 14201**
0.053 mi.
282 ft. **Site 8 of 8 in cluster B**

Relative:
Higher

Actual:
598 ft.

EDR Historical Auto Stations:
Name: MIDAS AUTO SYSTEMS AUTO REPR SHOPS
Year: 2001
Type: AUTOMOBILE REPAIRING & SERVICE

C28 **TOPS MARKET** **LTANKS** **S105054518**
NNW **NIAGARA & MARYLAND STREET** **N/A**
< 1/8 **BUFFALO, NY**
0.062 mi.
328 ft. **Site 5 of 7 in cluster C**

Relative:
Higher

Actual:
601 ft.

LTANKS:

Site ID:	327659
Spill Number/Closed Date:	9875104 / 8/12/1999
Spill Date:	10/13/1998
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	1502
Investigator:	JFOTTO
Referred To:	Not reported
Reported to Dept:	10/13/1998
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	6/23/1999
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/14/1998
Spill Record Last Update:	6/11/2003
Spiller Name:	PHILLIP A. PERNA
Spiller Company:	TOPS MARKETS, INC
Spiller Address:	460 NIAGARA STREET
Spiller City,St,Zip:	BUFFALO, NY 14201-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	263774
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JFO"10/14/98: JFO TELECON FROM CRAIG SLATER. HE WILL SEND WORK PLAN NEXT WEEK. HIS PLANS ARE TO REMOVE THE TANK. GZA DOING THE WORK NEXT WEEK, RAY LEPORT, 685-230011/12/98: JFO RECEIVED WORK PLAN.11/13/98: JFO TELECON FROM RAY LAPORT OF GZA, REMOVING TANK ON THE 16TH, MONDAY.11/16/98: JFO ON SITE, MET RAY LAPORT OF GZA, PHIL PERNA OF TOPS AND ROB OF MARCO. FOUR VERTICAL TANKS IN CONCRETE CONTAINMENT. FREE PRODUCT IN CONTAINMENT. THEY WILL SAMP FREE PRODUCT AND CONTENTS OF TANKS. THEY WILL COVER CONTAINMENT WITH POLY AND PLACE SOIL ON POLY FOR SAFETY REASONS. QUICK TURNAROUND ON SAMPLES (48 HOURS), THEY

TOPS MARKET (Continued) **S105054518**

WILL REMOVE TANKS THURSDAY THE 19TH.11/23/98: JFO ON SITE, MET RAY LAPORT AND PHIL PERNA. THREE TANKS REMOVED ABOUT 2000 GALLONS OIL REMOVED. EXCAVATION LOOKS GOOD. THEY WILL SAMPLE THREE SIDES (OTHER SIDE IS CONCRETE) AND TAKE TWO BOTTOM SAMPLES. THE BOTTOM OF CONCRETE CONTAINMENT IS CLEAN. THEY WILL ALSO SAMPLE 2 AREAS OUT SIDE CONTAINMENT.02/22/99: JFO TELECON RAY LAPORTE OF GZA. HE WILL SPEAK WITH CRAIG SLATER ABOUT CLEANUP AND GET BACK TO ME.04/21/99: JFO TELCON PHIL PERNA OF TOPS MARKETS. AN EXPOSURE ASSESSMENT IS BEIENG PREPARED BY GZA (RAY LAPORT) AND WILL BE SUBMITTED FOR REVIEW BY THE END OF APRIL.04/30/99: JFO RECEIVED EXPOSURE ASSESSMENT FROM GZA.05/12/99: JFO SENT LETTER TO PHIL PERNA REJECTING EXPOSURE ASSESSMENT. REQUESTED REMEDIATION PLAN BY JUNE 4, 1999.06/08/99: JFO AND RNL MEETING WITH PHIL PERNA, RAY LAPORT AND CRAIG SLATER. SEE ATTACHED NOTES.06/22/99: JFO ON SITE, MET JASON, RAY LAPORT AND PHIL PERNA. CLEANUP HAS BEGUN. THEY WILL SAMPLE EXCAVATION AND HAVE RESULTS BY TOMORROW MORNING. OOPS!!!! ANOTHER TANK UNCOVERED, 50-75 GALLONS. THEY ARE REMOVING TANK AND CONTENTS. MORE SOIL WILL BE REMOVED AND THEN SAMPLING WILL TAKE PLACE.06/23/99: JFO ON SITE, MET JASON. HOLE AND TRENCH LOOK CLEAN THEY ARE RESAMPLING. TRENCH WALL AND TRENCH BOTTOM. THESE AREAS WERE SAMPLED AND ANALYZED YESTERDAY AND CAME BACK TOO HIGH FOR EXPOSURE ASSESSMENT, THUS, THEY WERE RESAMPLED TODAY07/30/99: JFO RECEIVED EXPOSURE ASSESSMENT, AFTER REVIEW BY RNL, THIS SITE CAN BE MADE "INACTIVE".

Remarks: ENVIRONMENTAL ASSESSMENT FOUND UST. TEST PITS FOUND RESIDUAL CONTAMINATION. CO. PLANS TO REMOVE TANK WO 10/19/98

Material:

Site ID:	327659
Operable Unit ID:	1074673
Operable Unit:	01
Material ID:	306689
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

C29 **PEREZ FRANCIS CLO CLNR** **EDR US Hist Cleaners** **1014535261**
North **175 MARYLAND ST** **N/A**
< 1/8 **BUFFALO, NY**
0.065 mi.
343 ft. **Site 6 of 7 in cluster C**

Relative:
Higher

Actual:
602 ft.

EDR Historical Cleaners:

Name:	PEREZ FRANCIS CLO CLNR
Year:	1935
Type:	CLOTHES PRESSERS AND CLEANERS

D30 **FRANKS AUTO SERV** **EDR US Hist Auto Stat** **1014539050**
SSW **118 VIRGINIA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.065 mi.
344 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
593 ft.

EDR Historical Auto Stations:

Name:	MALLIA VINSCENT FILL STA
Year:	1930
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	MORIBELLA LOUIS AUTO REPR
Year:	1935
Type:	AUTOMOBILE REPAIRING
Name:	MORIBELLA LOUIS AUTO REPR
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	AMATO GREGORY AUTO REPRS
Year:	1950
Type:	AUTOMOBILE REPAIRING
Name:	AMATO GREGORY AUTO REPR
Year:	1955
Type:	AUTOMOBILE REPAIRING
Name:	FRANKS AUTO SERV
Year:	1960
Type:	AUTOMOBILE REPAIRING
Name:	UGOS FOREIGN CAR SERVICE
Year:	1960
Type:	AUTOMOBILE REPAIRING

C31 **HI HAT CLEANERS** **EDR US Hist Cleaners** **1014536189**
NNW **401 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY 14201**
0.066 mi.
349 ft. **Site 7 of 7 in cluster C**

Relative:
Higher

Actual:
601 ft.

EDR Historical Cleaners:

Name:	HI HAT CLEANERS
Year:	1960
Type:	CLEANERS AND DYERS
Name:	HI HAT CLEANERS CLO CLNS
Year:	1964
Type:	CLEANERS AND DYERS
Name:	HI HAT CLEANERS CLEANERS & DYERS
Year:	1970
Type:	CLEANERS AND DYERS
Name:	HI HAT CLEANERS
Year:	1975
Type:	CLEANERS AND DYERS
Name:	HI HAT CLEANERS
Year:	1980

HI HAT CLEANERS (Continued) **1014536189**

Type: CLEANERS AND DYERS

E32 **WATERFRONT PRINTING** **NY Spills** **S102174250**
East **WATERFRONT PRINTING** **N/A**
< 1/8 **BUFFALO, NY**
0.068 mi.
360 ft. **Site 1 of 4 in cluster E**

Relative:
Higher

Actual:
600 ft.

SPILLS:

Facility ID:	9107761
DER Facility ID:	152485
Facility Type:	ER
Site ID:	181863
DEC Region:	9
Spill Date:	10/1/1991
Spill Number/Closed Date:	9107761 / 1/22/1993
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	1502
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	10/21/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	1/22/1993
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/8/1992
Spill Record Last Update:	2/1/1993
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MJS"01/22/93: MJS LOCATED FILE. SPILL WAS HANDLED UNDER SPILL #9107557. REFER TO THAT SPILL NUMBER FOR FURTHER INFORMATION. 09/29/95: This is additional information about material spilled from the translation of the old spill file: SOLVENT ODOR.
Remarks:	STRONG ODOR OF SOLVENTS IN BASEMENT AT 170 PROSPECT AVE. **HANDLED UNDER SPILL #9107557 - SEE THAT SPILL NO.**

Material:

Site ID:	181863
Operable Unit ID:	958223
Operable Unit:	01
Material ID:	419950
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported

WATERFRONT PRINTING (Continued) **S102174250**

Material FA: Petroleum
Quantity: 0
Units: Not reported
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

33
NE
< 1/8
0.073 mi.
386 ft.

ALEJANDRO GEORGE **RCRA NonGen / NLR** **1004761326**
224 PROSPECT AVE **FINDS** **NYR000085654**
BUFFALO, NY 14201 **MANIFEST**

Relative:
Higher

Actual:
603 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: ALEJANDRO GEORGE
Facility address: 224 PROSPECT AVE
BUFFALO, NY 142011928
EPA ID: NYR000085654
Mailing address: SCHUYLER DR
DERBY, NY 14027
Contact: DWIGHT HILL
Contact address: SCHUYLER DR
DERBY, NY 14027
Contact country: US
Contact telephone: (716) 884-8859
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: GEORGE ALEJANDRO
Owner/operator address: 6914 SCHUYLER DR
DERBY, NY 14047
Owner/operator country: US
Owner/operator telephone: (716) 947-4897
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GEORGE ALEJANDRO
Owner/operator address: 6914 SCHUYLER DR
DERBY, NY 14047
Owner/operator country: US
Owner/operator telephone: (716) 947-4897
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

ALEJANDRO GEORGE (Continued) **1004761326**

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ALEJANDRO GEORGE
Classification: Not a generator, verified

Date form received by agency: 03/14/2000
Facility name: ALEJANDRO GEORGE
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004561894

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000085654
Country: USA
Mailing Name: GEORGE ALEJANDCO
Mailing Contact: GEORGE ALEJANDCO
Mailing Address: 6914 SCHUYLER DR
Mailing Address 2: Not reported
Mailing City: BRANT
Mailing State: NY
Mailing Zip: 14027
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 716-884-8859

Document ID: CTF0833097
Manifest Status: Not reported

ALEJANDRO GEORGE (Continued) **1004761326**

Trans1 State ID:	CTD983896341
Trans2 State ID:	Not reported
Generator Ship Date:	07/19/2000
Trans1 Recv Date:	07/19/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/20/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000085654
Trans1 EPA ID:	CTD983896341
Trans2 EPA ID:	Not reported
TSDF ID:	26652ACT
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00467
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	2000

E34 **NIAGARA AT VIRGINIA** **LTANKS** **S101659234**
ESE **NIAGARA AT VIRGINIA** **N/A**
< 1/8 **BUFFALO, NY**
0.078 mi.
410 ft. **Site 2 of 4 in cluster E**

Relative:
Higher

Actual:
599 ft.

LTANKS:

Site ID:	280063
Spill Number/Closed Date:	9502447 / 9/12/1995
Spill Date:	5/26/1995
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	9/12/1995
Cleanup Meets Standard:	True
SWIS:	1502
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	5/26/1995
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	8/16/1995
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	5/30/1995
Spill Record Last Update:	9/15/1995
Spiller Name:	Not reported
Spiller Company:	ELLICOTT DEVELOPMENT
Spiller Address:	ELLICOTT SQUARE BUILDING
Spiller City,St,Zip:	BUFFALO, NY 14203
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported

NIAGARA AT VIRGINIA (Continued) **S101659234**

DEC Region: 9
DER Facility ID: 227387
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RMC"05/26/95: RMC/COSTA/PHONE PLAN TO REMOVE CONTAMINATION AND STOCK PILE ON SITE, TO CALL WHEN READY FOR INSPECTION.05/30/95: JDC/COSTA/SITE JDC INSPECTED 500 GALLON WASTE OIL TANK PIT, NO VISUAL CONTAMINATION FOUND ONE DRUM FOR DISPOSAL, 3 K TANK REMOVED PREVIOUSLY, CONTRACTOR REPORTED NO VISUAL CONT, RESULTS+DISP DUE7/1/.07/18/95: RMC/LETTER, RESPONSE DUE 8/18/95.08/15/95: RMC/RECEIVED SAMPLE RESULTS, CARMON COSTA/PHONE INITIAL RESULTS HAVE SEVERAL EXCEEDANCES, COSTA TO RESAMPLE HOLE ON TCLP 8/16/95.08/16/95: RMC/COSTA/SITE REEXCAVATED TANK PIT, NO VISUAL CONTAMINATION FOUND, SAMPLE TAKEN, RESULTS DUE 9/30/95.09/12/95: RMC/RECEIVED RESAMPLE TCLP RESULTS FROM HOLE, NO EXCEEDANCES, CLOSE OUT.09/25/95: RMC/FILE NOTE ONLY 8270 WAS RUN, CONTRACTOR WAS NOTIFIED ON 9/20/95, THAT IN FUTURE 8021 IS ALSO REQUIRED,.
Remarks: CONTAMINATION FOUND WHILE REMOVING 500 GALLON WASTE OIL TANK ALSO PLAN TO REMOVE 3K FUEL OIL TANK

Material:
Site ID: 280063
Operable Unit ID: 1013507
Operable Unit: 01
Material ID: 367499
Material Code: 0017A
Material Name: PCB OIL
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

F35 **WEINSTEIN HERMAN AUTO REPR** **EDR US Hist Auto Stat** **1014538340**
NNW **407 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.079 mi.
417 ft. **Site 1 of 8 in cluster F**

Relative:
Higher

Actual:
601 ft.

EDR Historical Auto Stations:
Name: 407 09 TRIO GARAGE
Year: 1930
Type: AUTOMOBILE REPAIRING

Name: WEINSTEIN HERMAN AUTO REPR
Year: 1935
Type: AUTOMOBILE REPAIRING

Name: WEINSTEIN HERMAN AUTO REPR
Year: 1946
Type: AUTOMOBILE REPAIRING

E36 **WATERFRONT PRINTING CO.** **NY Spills** **S102177568**
East **170 PROSPECT AVENUE** **N/A**
< 1/8 **BUFFALO, NY**
0.082 mi.
435 ft. **Site 3 of 4 in cluster E**

Relative:
Higher

Actual:
601 ft.

SPILLS:

Facility ID:	9011570
DER Facility ID:	207366
Facility Type:	ER
Site ID:	253130
DEC Region:	9
Spill Date:	2/4/1991
Spill Number/Closed Date:	9011570 / 3/15/1991
Spill Cause:	Deliberate
Spill Class:	Not reported
SWIS:	1502
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	2/4/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	3/15/1991
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/19/1991
Spill Record Last Update:	7/23/1991
Spiller Name:	Not reported
Spiller Company:	WATERFRONT PRINTING CO.
Spiller Address:	325 NIAGARA STREET
Spiller City,St,Zip:	BUFFALO, NY 14201
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MNP"02/04/91: 2/4/91 MNP NOTIFIED BSA, THEY ARE ALREADY AWARE OF PROBLEM & WILL FOLLOWUP. 03/15/91: 3/15/91 MNP TELECON WITH BSA, NO PROBLEM FOUND, HOMEOWNER TOLD TO FIX HIS SEWER TRAP. RECEIVED REPORT FROM BSA. NO FOLLOWUP NEEDED, COMPLETE. 09/29/95: This is additional information about material spilled from the translation of the old spill file: PRINTING INK SOLVENT.
Remarks:	STRONG FUMES IN COMPLANANT'S BASEMENT VIA SEWER DRAIN AFFECTING 1ST & 2ND FLOORS, SUSPECT PRINT SHOP DUMPING SOLVENTS INTO SEWER.

Material:

Tank Test:

Facility ID:	9008946
DER Facility ID:	207366
Facility Type:	ER
Site ID:	253129
DEC Region:	9

WATERFRONT PRINTING CO. (Continued) **S102177568**

Spill Date:	11/13/1990
Spill Number/Closed Date:	9008946 / 11/21/1990
Spill Cause:	Deliberate
Spill Class:	Not reported
SWIS:	1502
Investigator:	MJHINTON
Referred To:	Not reported
Reported to Dept:	11/14/1990
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	11/21/1990
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/21/1990
Spill Record Last Update:	12/10/1990
Spiller Name:	Not reported
Spiller Company:	NIAGARA PRINTING
Spiller Address:	NIAGARA STREET
Spiller City,St,Zip:	BUFFALO, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MJH"11/21/90: FOLLOWUP REFERRED TO BUFFALO SEWER AUTHORITY AND SPDES UNIT.
Remarks:	SOLVENT SMELL IN SEWERS IN THE EVENING HOURS

Material:

Site ID:	253129
Operable Unit ID:	949459
Operable Unit:	01
Material ID:	432724
Material Code:	1523A
Material Name:	PRINTING SOLVENTS
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

F37 **WEINSTEIN HERMAN AUTO REPR** **EDR US Hist Auto Stat** **1014539066**
NNW **409 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.083 mi.
439 ft. **Site 2 of 8 in cluster F**

Relative:
Higher

Actual:
601 ft.

EDR Historical Auto Stations:

Name:	407 09 TRIO GARAGE
Year:	1930
Type:	AUTOMOBILE GARAGES
Name:	WEINSTEIN HERMAN AUTO REPR
Year:	1940
Type:	AUTOMOBILE REPAIRING

F38 **TOPS SUPERMARKET** **UST** **U003418814**
NNW **409 NIAGARA STREET** **N/A**
< 1/8 **BUFFALO, NY 14201**
0.083 mi.
439 ft. **Site 3 of 8 in cluster F**

Relative:
Higher

Actual:
601 ft.

UST:

Id/Status:	9-600432 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	182660.11001
UTM Y:	4756517.1883500004
Site Type:	Other

Affiliation Records:

Site Id:	55280
Affiliation Type:	Facility Owner
Company Name:	SUPERMARKET MANAGEMENT INC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	460 NIAGARA STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14201
Country Code:	001
Phone:	(716) 853-5700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004
Site Id:	55280
Affiliation Type:	Mail Contact
Company Name:	SUPERMARKET MANAGEMENT INC.
Contact Type:	Not reported
Contact Name:	PHIL PERNA
Address1:	460 NIAGARA STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14201
Country Code:	001

TOPS SUPERMARKET (Continued) **U003418814**

Phone: (716) 853-5700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 55280
Affiliation Type: On-Site Operator
Company Name: TOPS SUPERMARKET
Contact Type: Not reported
Contact Name: SUPERMARKET MANAGEMENT INC
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (716) 853-5700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 55280
Affiliation Type: Emergency Contact
Company Name: SUPERMARKET MANAGEMENT INC.
Contact Type: Not reported
Contact Name: MR.PHIL PERNA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (716) 853-5700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank ID: 173378
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1000
Install Date: 11/01/1998
Date Tank Closed: 11/16/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported

TOPS SUPERMARKET (Continued) **U003418814**

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

J00 - Dispenser - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Tank Number: 002
Tank ID: 173376
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 560
Install Date: 11/01/1998
Date Tank Closed: 11/16/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
J00 - Dispenser - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground

Tank Number: 003
Tank ID: 173377
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 575
Install Date: 11/01/1998
Date Tank Closed: 11/16/1998
Registered: True
Tank Location: Underground

TOPS SUPERMARKET (Continued) **U003418814**

Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)

Tank Number: 004
Tank ID: 173375
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 560
Install Date: 11/01/1998
Date Tank Closed: 11/16/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
C02 - Pipe Location - Underground/On-ground

G39 **FRISICARO CHAS FILL ST&** **EDR US Hist Auto Stat** **1014538123**
WSW **259 BUSTI AVE** **N/A**
< 1/8 **BUFFALO, NY**
0.092 mi.
487 ft. **Site 1 of 3 in cluster G**

Relative:
Lower

Actual:
591 ft.

EDR Historical Auto Stations:

Name:	FRISICARO CHAS FILL ST&
Year:	1930
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	FRISICARO CHAS GARAGE
Year:	1935
Type:	AUTOMOBILE GARAGES
Name:	SULLY SERV GAR
Year:	1960
Type:	AUTOMOBILE REPAIRING
Name:	LAKE ERIE GARAGE AUTO REPR
Year:	1964
Type:	AUTOMOBILE REPAIRING

D40 **GNOZZO VITO CLO CLNR** **EDR US Hist Cleaners** **1014536157**
SW **221 BUSTI AVE** **N/A**
< 1/8 **BUFFALO, NY**
0.095 mi.
499 ft. **Site 2 of 2 in cluster D**

Relative:
Lower

Actual:
591 ft.

EDR Historical Cleaners:

Name:	GNOZZO VITO CLO CLNR
Year:	1950
Type:	CLEANERS AND DYERS

G41 **LODICO CHAS F CLO CLN** **EDR US Hist Cleaners** **1014535974**
WSW **238 BUSTI AVE** **N/A**
< 1/8 **BUFFALO, NY**
0.095 mi.
502 ft. **Site 2 of 3 in cluster G**

Relative:
Lower

Actual:
591 ft.

EDR Historical Cleaners:

Name:	LODICO CHAS F CLO CLNR
Year:	1950
Type:	CLEANERS AND DYERS
Name:	LODICO CHAS F CLO CLNR
Year:	1955
Type:	CLEANERS AND DYERS
Name:	LODICO CHAS F CLO CLN
Year:	1960
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	VARSITY CLEANERS
Year:	1964
Type:	CLEANERS AND DYERS
Name:	VARSITY CLEANERS

LODICO CHAS F CLO CLN (Continued) **1014535974**

Year: 1970
Type: CLEANERS AND DYERS

E42 **FUMES IN BASEMENT** **NY Spills** **S102174240**
ESE **158 PROSPECT AVENUE** **N/A**
< 1/8 **BUFFALO, NY**
0.096 mi.
507 ft. **Site 4 of 4 in cluster E**

Relative:
Higher

Actual:
601 ft.

SPILLS:

Facility ID:	9107557
DER Facility ID:	226681
Facility Type:	ER
Site ID:	279167
DEC Region:	9
Spill Date:	10/1/1991
Spill Number/Closed Date:	9107557 / 11/22/1993
Spill Cause:	Unknown
Spill Class:	No spill occured. No DEC Response. No corrective action required.
SWIS:	1502
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	10/15/1991
CID:	Not reported
Water Affected:	BASEMENT SUMP
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	11/22/1993
Cleanup Meets Std:	True
Last Inspection:	11/5/1991
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/16/1991
Spill Record Last Update:	1/20/1994
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MJS"10/15/91: MJS TELECON WITH JIM CARUSO. BSA HAS INSPECTED AREA AND FOUND SOLVENT LIKE SMELL IN BASEMENT COMING FROM SUMP. NO ODORS IN SEWERS. MRS CAMPBELL LIVES BEHIND A CARWASH. 10/15/91: MJS SITE VISIT. MRS CAMPBELL NOT AT HOME. 10/16/91: MJS CONTACTED MRS CAMPBELL. ODOR HAS DISSIPATED BY TODAY. ASKED HER TO CONTACT OFFICE WHEN ODOR OCCURS AGAIN. MJS TO TAKE SAMPLE FROM SUMP IN BASEMENT. 11/05/91: MJS/MRS. CAMPBELL/TELECON - COMPLAINED OF VERY STRONG ODOR. MJS/SITE HNU READING IN BASEMENT 0-5 PPM. NO DISTINGUISHABLE ODOR. ADVISED HER TO CALL IF ODOR RECURS. 11/22/93: MJS REVIEWED FILE. NO FURTHER COMPLAINTS RECEIVED. NO FURTHER ACTION REQUIRED. MJS TO CLOSE FILE. 09/29/95: This is additional information about material spilled from the translation of the old spill file: CHEMICAL ODORS.
Remarks:	CALLER COMPLAINS OF CHEMICAL LIKE SMELL IN BASEMENT. ONGOING FOR ONE YEAR

FUMES IN BASEMENT (Continued) **S102174240**

Material:

Tank Test:

H43 **COLOSIMO CAESAR CLO CLNR** **EDR US Hist Cleaners** **1014536132**
ENE **215 VIRGINIA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.096 mi.
507 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
602 ft.

EDR Historical Cleaners:

Name:	COLOSIMO CAESAR CLO CLNR
Year:	1940
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	COLISIMO CAESAR CLO CLNRS
Year:	1946
Type:	CLEANERS AND DYERS
Name:	DIATI SAML CLO CLNR
Year:	1950
Type:	CLEANERS AND DYERS

I44 **ASBESTOS PIPEWRAP AT CURB** **NY Spills** **S103936612**
North **PROSPECT & MARYLAND** **N/A**
< 1/8 **BUFFALO, NY**
0.096 mi.
507 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
604 ft.

SPILLS:

Facility ID:	9900961
DER Facility ID:	83181
Facility Type:	ER
Site ID:	92631
DEC Region:	9
Spill Date:	4/25/1999
Spill Number/Closed Date:	9900961 / 4/26/1999
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	4/26/1999
CID:	255
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	4/26/1999
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

ASBESTOS PIPEWRAP AT CURB (Continued) **S103936612**

Date Entered In Computer:	4/26/1999
Spill Record Last Update:	10/8/1999
Spiller Name:	Not reported
Spiller Company:	ALBERT AVELLINO
Spiller Address:	208 MARYLAND STREET
Spiller City,St,Zip:	BUFFALO, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FG"04/26/99: SITE INSPECTION. MET CAMERON OCONNOR WITH NYSDOH ON SITE. HE INDICATED THAT THEY CAN DO NOTHING AT ASBESTOS SITES. DEC CANNOT SPEND ANY MONEY AT ASBESTOS SITES. FG CALLED CITY OF BUFFALO STREETS DEPT. THEY PICKED UP THE ASBESTOS ON THE CURB BECAUSE AN ADJACENT CAR FIRE HAD BROKEN OPEN THE BAGS AND THE ASBESTOS PIPE WRAP WAS EXPOSED ON THE SIDEWALK, STREET AND CURB. THEY TOOK THE MATERIAL TO THE LANDFILL. THE DEPARTMENT OF LABOR WAS ON SITE AND TOLD THE CITY THAT THEY NEEDED A LICENSED CONTRACTOR TO DO THE WORK. THE DEPT OF LABOR THEN TOLD THE CITY THAT THEY COULD NOT STOP THE CITY FROM DOING THE WORK. THE CITY THEN CONTINUED TO PICK UP THE MATERIAL THAT WAS ON THE STREET. THE DEPARTMENT OF LABOR TOOK SAMPLES OF THE PIPE WRAP AND WILL HAVE IT ANALYZED TO DETERMINE IF IT IS ASBESTOS. WE ARE ASSUMING THAT THE PROPERTY OWNER, MR. AVELLINO, AT 208 MARYLAND PUT THE PIPE WRAP IN THE TRASH. ACCORDING TO THE DEPARTMENT OF LABOR, BECAUSE THIS IS MORE THAN A SINGLE FAMILY DWELLING, THAT A CONTRACTOR SHOULD HAVE BEEN HIRED. IF THIS WAS A SINGLE FAMILY HOME, THE WORK COULD BE DONE BY THE HOMEOWNER AND NOT AN ASBESTOS CONTRACTOR.NO FURTHER WORK BY SPILLS IS REQUIRED. SITE CAN BE CLOSED.
Remarks:	RESPONDED TO A CAR FIRE - NEXT TO VEH WERE BAGS OF OLD PIPE WRAPPING - POSS ASBESTOS - NO ONE ON SCENE NOW - CONTACT ABOVE

Material:

Site ID:	92631
Operable Unit ID:	1079736
Operable Unit:	01
Material ID:	566375
Material Code:	0026A
Material Name:	ASBESTOS
Case No.:	01332214
Material FA:	Hazardous Material
Quantity:	500
Units:	Pounds
Recovered:	500
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

H45 **CAMMARATA HAROLD AUTO REPR** **EDR US Hist Auto Stat** **1014539145**
ENE **218 VIRGINIA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.100 mi.
529 ft. **Site 2 of 3 in cluster H**

Relative: EDR Historical Auto Stations:
Higher Name: CAMMARATA HAROLD AUTO REPR
Year: 1940
Actual: Type: AUTOMOBILE REPAIRING
602 ft.

I46 **MARYLAND CLEANERS** **EDR US Hist Cleaners** **1014535104**
NNE **205 MARYLAND ST** **N/A**
< 1/8 **BUFFALO, NY**
0.102 mi.
540 ft. **Site 2 of 2 in cluster I**

Relative: EDR Historical Cleaners:
Higher Name: CAPUTO JOHN CLO CLNR
Year: 1940
Actual: Type: CLOTHES PRESSERS AND CLEANERS
605 ft.

Name: MARYLAND CLEANERS
Year: 1955
Type: CLEANERS AND DYERS

G47 **BROUGHMAN SYLAS W CLO CLNS** **EDR US Hist Cleaners** **1014536103**
West **296 BUSTI AVE** **N/A**
< 1/8 **BUFFALO, NY**
0.106 mi.
558 ft. **Site 3 of 3 in cluster G**

Relative: EDR Historical Cleaners:
Lower Name: BROUGHMAN SYLAS W CLO CLNS
Year: 1960
Actual: Type: CLOTHES PRESSERS AND CLEANERS
590 ft.

H48 **EMPTY HARDWARE STORE** **NY Spills** **S106736733**
ENE **221-225 VIRGINIA** **N/A**
< 1/8 **BUFFALO, NY**
0.111 mi.
584 ft. **Site 3 of 3 in cluster H**

Relative: SPILLS:
Higher Facility ID: 0485430
DER Facility ID: 271528
Actual: Facility Type: ER
603 ft. Site ID: 336194
DEC Region: 9
Spill Date: 1/1/2005
Spill Number/Closed Date: 0485430 / 1/18/2005
Spill Cause: Unknown
Spill Class: Not reported
SWIS: 1502
Investigator: FXGALLEG
Referred To: Not reported
Reported to Dept: 1/12/2005

EMPTY HARDWARE STORE (Continued) **S106736733**

CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/12/2005
Spill Record Last Update:	1/25/2005
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Company:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	1/12/05 FG SITE INSPECTION. MATERIAL PRESENT ON THE GRASS ALONG THE SIDE OF THE BUILDING. IT IS NOT A PETROLEUM BECAUSE IT DOES NOT SHEEN. IT HAS NO ODOR AND IS ONLY ON THE SURFACE. THE MATERIAL HAS NOT PENETRATED TO THE SOIL. THE MATERIAL IS UNKNOWN.1/13/05 CONTACTED THE CITY OF BUFFALO REAL PROPERTY OFFICE AND THE OWNER IS: REO ACCEPTANCE CORP, LTD, ATTN C/O IMA EQUITIES INC., 1740 HERTEL, BUFFALO, NY 14216 PHONE 446-5532.FG CONTACTED IMA EQUITIES AND SPOKE TO ALEX KLEYMAN WHO SAID HE WILL HAVE SOMEONE MEET ME ON SITE TODAY OR FRIDAY AND AT THE LATEST MONDAY. HE WILL CALL ME BACK AND LET ME KNOW WHEN.1/14/05 FG SITE INSPECTION. MET RENE FINKAS AND WE INSPECTED THE PROPERTY. NOTHING WAS STORED INSIDE THE BUILDING, LEAKING OUT. THE MATERIAL ON TOP OF THE SOIL WAS NOT AN OIL OF ANY SORT. THERE WAS NO SHEEN ON THE PONDED WATER AND THERE WAS NO ODOR. THE BLACK MATERIAL WAS ONLY FOUND ON TOP OF THE GRASS, NOT AT ALL IMPACTING THE SOIL. IT LOOKED LIKE A NATURAL ORGANIC MATERIAL. MR. FINKAS SAID HE WOULD PICK IT UP AND PROPERLY DISPOSE OF THE MINOR AMOUNT OF MATERIAL. THE SITE IS CLOSED WITH NO FURTHER ACTION NECESSARY.
Remarks:	NRC REPORTED THAT AN OLD EMPTY HARDWARE STORE APPEARS TO HAVE MATERIAL LEKING OUT OF THE SIDE. THE MATERIAL IS BEING RELEASED ONTO THE GROUND AND KILLING THE GRASS IN A 10 X 20 FT AREA. CALLER REPORTED THAT THE MATERIAL WAS NOTICED LEAKING SEVERAL MONTHS AGO, HOWEVER THE AREA SEEMS TO BE GETTING LARGER.

Material:

Site ID:	336194
Operable Unit ID:	1098240
Operable Unit:	01
Material ID:	578410
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

EMPTY HARDWARE STORE (Continued) **S106736733**

Tank Test:

F49
NNW
< 1/8
0.116 mi.
612 ft.

MARKEL CLEANING & DYEING WORKS JOSEPH MARKEL PROS BARNEY B **EDR US Hist Cleaners** **1014536468**
425 NIAGARA PHONES TUPPER ST **N/A**
BUFFALO, NY

Site 4 of 8 in cluster F

Relative:
Higher

Actual:
602 ft.

EDR Historical Cleaners:

Name:	MARKEL CLEANING & DYEING WORKS JOSEPH MARKEL PROS BARNEY B LAZARUS V
Year:	1925
Type:	DYERS AND CLEANERS

J50
SE
< 1/8
0.116 mi.
613 ft.

FORMER CAR WASH **NY Spills** **S109827467**
285 NIAGARA STREET **N/A**
BUFFALO, NY

Site 1 of 4 in cluster J

Relative:
Higher

Actual:
598 ft.

SPILLS:

Facility ID:	0904123
DER Facility ID:	365336
Facility Type:	ER
Site ID:	416265
DEC Region:	9
Spill Date:	7/9/2009
Spill Number/Closed Date:	0904123 / 1/15/2013
Spill Cause:	Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1502
Investigator:	TDJOHNSO
Referred To:	Not reported
Reported to Dept:	7/9/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/9/2009
Spill Record Last Update:	1/15/2013
Spiller Name:	STEVE WOODARD
Spiller Company:	ALDEN STATE BANK
Spiller Address:	13216 BROADWAY
Spiller City,St,Zip:	ALDEN, NY 14004
Spiller Company:	999
Contact Name:	STEVE WOODARD
Contact Phone:	(716) 937-3381
DEC Memo:	07/10/09 TDJ STOPPED AT LOCATION AND OBSERVED FIRST OF THREE UST'S WAS REMOVED AND CUT OPEN. WATER WAS IN THE TANK WHEN REMOVED AND SOIL

FORMER CAR WASH (Continued) **S109827467**

SMELLED OF GASOLINE. SMALL WORK AREA TO STOCKPILE SOIL SO WORK WAS SLOW. ALLEY ONE WAY STREET AND PARKING LOT OF NEXT DOOR BUSINESSIS IMPACTED BY CONTAMINATION TO A DEPTH OF 12'. BANK AND NATURES WAY WILL HAVE TO CONTACT CITY AND PROPERTY OWNER FOR PERMISSION TO CONTINE OUTWARDS.7/13/09 TDJ WENT TO SITE WHERE ADDITIONAL WAS REMOVED, GASOLINE ODOR IN SOIL. STOPPED AT PROPERTY FENCE WITH A PID READING OF 2500 AND STOPPED 5' FROM PROPERTY LINE ON ALLEY SIDE WITH A PID OF 3000. WAS GOING TO PILE MORE DIRT FOR REMOVAL AND US A LEVEL OF <20 PID AT BASE FOR CLEAN AT 12'. FILL MATERIAL WILL GO IN TO STABILIZE ALLEY SIDE UNTIL ACCESS IS GIVEN.7/14/09 TDJ SPOKE WIT GREG WEBER, NATURES WAY AND FRANCINE AND MADE DECISION TO STOP ON ALLEY SIDE OF PROJECT APPROX. 5' FROM EDGE OF PROPERTY TO SAVE INTEGRITY OF ALLEY STREET. WILL GET BORINGS FOR CONC. OF PETRO. LEFT ON THE WALL. SIDE WALL NEAR OPPOSITE PARKING LOT WAS CUT TO APPROX 1' FROM FENCE. READING RANGED FROM 30-120 ON PID SO A DECISION WAS MADE TO NOT MOVE ACROSS PROPERTY LINE INTO PAVED BLACKTOP. NO WATER WAS ENCOUNTERED IN PIT DOWN AT 12'. SECOND TANK WAS PULLED AND WAS FULL OF SAND. TANK WAS EMPTIED AND TAKEN AWAY.08/04/09 TDJ EXCAVATION WORK CONTINUED BEHIND THE CAR WASH AWAY FROM THE TANK FIELD. EXCAVATION DOWN TO 12' FROM THE BUILDING TO THE ALLEY STREET SHOWS ELEVATED PID READINGS UP TO 3000. APARTMENT BUILDING IS APPROX. 30' FROM EXCAVATION AND MAY BE A CUT OFF POINT IF CONCENTRATION DUE NOT DECREASE. SPOKE WITH FRED LOFASO 870-4878 WHO OWNES THE PROPERTY ON THE NW SIDE OF SITE. EXPLAINED THAT SOIL BORINGS WOULD BE APPROPRIATE TO DETERMINE EXTENT AND CONC. BEFORE THE ASPHALT LOT IS DUG INTO. HE WILL CONTACT HIS ATTORNEY FOR ADVISE.7/17/09 TDJ TRUCKS TAKING SOIL TO MODERN LANDFILL, LEWISTON WITH 4 TRUCKS RUNNING. THIRD TANK FOUND. BLACK PEA GRAVEL AROUND BASE OF TANK, STRONG GASOLINE ODOR. TANK TO BE CUT OPEN TO GET SNAD OUT AND REMOVE FOR DISPOSAL. 12/16/09 TDJ SPOKE WITH GREG WEBER ABOUT ADDITIONAL OFFSITE GEOPROBE WORK UNDER ASPHALT ON ADJACENT PROPERTY. PETROLEUM CONTAMINATION WAS FOUND ABOVE TAGM LIMITS ON SEVERAL SAMPLING POINTS. GREG IS PUTTING TOGETHER WORK PLAN FOR ADDITIONAL EXCAVATION WORK ON ADJACENT PROPERTY AFTER GIVEN APPROVAL BY ALDEN BANK AND PROPERTY OWNER. 09/13/10 TDJ SPOKE WITH FRED LOFASSO 870-4878 AND WAS TOLD HE WAS IN NEGOTIATIONS WITH ALDEN BANK TO BUY THE FORMER CAR WASH AND DEMOLISH IT AS WEL AS THE BRICK BUILDING ON HIS ADJACENT PROPERTY. AT THAT TIME NATURES WAY WILL BE RETAINED TO REMOVE CONTAMINATION UNDER AND AROUND CAR WASH AND MATERIAL WHICH LEACHED ONTO HIS PROPERTY.03/10/11 TDJ SPOKE WITH GREG WEBER OF NATURES WAY AND WAS TOLD THE DEAL IS ALMOT COMPLETE FOR SALE OF PROPERTY AND THE NEW OWNER WILL BE INTERESTED IN COMPLETING THE ONSOITE AND OFF SITE REMAINING CONTAMINATION.01/15/13 TDJ SPOKE WITH CHAD STANSIZEWSKI WITH REMEDIAL SECTION WHO WAS ONSITE FOR THE CONTINUATION OF THE SITE REMEDIATION. FRED LAFASO WAS GRANTED BROWNFIELD SITE #C915259 TO FUND DEMOLITION OF THE FORMER CAR WASH AND STORAGE BUILDING AND ADDITIONAL SOIL REMOVAL. PETROLEUM CONTAMINATION WAS FOUND UNDER BOTH STRUCTURES AND ADDITIONAL SOIL WAS REMOVED AT EACH END OF THE INITIAL REMEDIAL WORK. RECORDS OF SOILREMOVAL AND DISPOSAL CAN BE FOUND THROUGH THE BROWNFIELD SITE AND DEC SITE MANAGER.NO FURTHER ACTIONFILE CLOSED

Remarks: WHILE REMOVING TANKS, PETROLEUM CONTAMINATED WAS FOUND. 3 USTs HAVE BEEN IDENTIFIED FOR REMOVAL.

Material:

Site ID: 416265
Operable Unit ID: 1172580
Operable Unit: 01
Material ID: 2164448

FORMER CAR WASH (Continued) **S109827467**

Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

J51 **NIA AUTO CLINIC AUTO REPR** **EDR US Hist Auto Stat** **1014538214**
SE **285 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.116 mi.
613 ft. **Site 2 of 4 in cluster J**

Relative: Higher

EDR Historical Auto Stations:

Name:	NIA AUTO CLINIC AUTO REPR
Year:	1964
Type:	AUTOMOBILE REPAIRING

Actual: 598 ft.

J52 **285-295 NIAGARA STREET SITE** **BROWNFIELDS** **S111314490**
SE **285-295 NIAGARA STREET** **N/A**
< 1/8 **BUFFALO, NY 14201**
0.116 mi.
613 ft. **Site 3 of 4 in cluster J**

Relative: Higher

BROWNFIELDS:

Program:	BCP
Site Code:	456150
Site Description:	Location: This site is comprised of two (2) adjoining parcels totaling approximately 0.68 acres and is located in a highly urbanized area of the City of Buffalo. The site is bounded by Niagara Street to the west, Fell Alley to the east, commercial properties to the north, and a large residential apartment building complex to the south.Site Features: There is one multi-story building, an asphalt parking area, gravel parking area and driveways on the site. Current Zoning/Use(s): Allowable use is Commercial and Industrial, however, the site is currently unoccupied. Land use surrounding the Site includes commercial, residential, and some vacant properties. Historical Uses(s): The northern portion of the Site has a history of manufacturing and commercial operation. It was utilized as a carriage manufacturing operation, including a blacksmith shop, and painting and varnishing operation since 1889. Around 1900 a bicycle manufacturer operated the southern portion of the parcel including a machine shop and metal plating operation.The southern portion of the Site was utilized as an automobile filling station and car wash since 1961. Several underground storage tanks and two dispensing islands were associated with the filling station.Site Geology and Hydrogeology: The Site is located in the Lake Erie-Niagara River basin. The surface of the site is covered by buildings and asphalt overlying reddish-brown sandy lean clay. Remedial excavation backfill includes rounded cobbles/gravel and crushed concrete. Groundwater was

Actual: 598 ft.

285-295 NIAGARA STREET SITE (Continued) **S111314490**

encountered approximately 6 feet below ground surface and generally flows to the west/southwest.

Env Problem: Nature and Extent of Contamination:Prior To Remediation:Prior to entering the Brownfield Cleanup Program, the NYSDEC Spills Program identified Volatile Organic Compound (VOC) contamination in soil associated with historic gasoline Underground Storage Tanks (USTs). In 2009, (2) 4,000 gallon and (1) 6,000 gallon gasoline USTs, along with 2,962 tons of accessible contaminated soil, were removed from the site. VOC impacted soil that was not accessible at the time of tank excavation (adjacent to property line/under buildings/etc.) remained on-site.Soil - The remedial investigation completed as part of the Brownfield Cleanup Program confirmed VOC contamination in soil beneath the two smaller on-site buildings and along Fell Alley on the southern half of the site. Low level pesticide contamination (4,4'-DDE and 4,4'-DDT) marginally exceeding unrestricted criteria exists in the gravel/cobble material used to backfill the prior tank excavation. Groundwater - Groundwater is not substantially impacted by soil contamination. Groundwater concentrations of 1,3,5-trimethylbenzene, xylene and nickel marginally exceeded groundwater standards in one monitoring well.Soil Vapor and Indoor Air - Soil vapor and indoor air sample results did not exceed action levels.Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were petroleum related volatile organic compounds in soil.

Health Problem: The site is remediated and presents no exposure concerns.

F53 **MARKEL CLEANING & DYEING WORKS INC** **EDR US Hist Cleaners** **1014536080**
NNW **425 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.117 mi.
618 ft. **Site 5 of 8 in cluster F**

Relative:
Higher

Actual:
603 ft.

EDR Historical Cleaners:

Name:	425 31 MARHEL CLEANING & DYEING
Year:	1930
Type:	CLEANERS GARMENTS CURTAINS AND DRAPERIES
Name:	MARKEL CLNG & DYEING WKS INC
Year:	1935
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	MARKEL CLNG & DYEING WKS INC
Year:	1935
Type:	DYERS AND CLEANERS
Name:	MARKEL CLNG & DYEING WKS INC
Year:	1935
Type:	DRY CLEANERS
Name:	MARKEL CLEANING & DYEING WORKS INC
Year:	1946
Type:	CLEANERS AND DYERS
Name:	MARKEL CLEANING & DYEING WORKS INC
Year:	1950
Type:	CLEANERS AND DYERS

F54
NNW
< 1/8
0.117 mi.
618 ft.

PERNA-NIAGARA, INC. D/B/A TOPS MARKETS #113
425 NIAGARA STREET
BUFFALO, NY 14201

Site 6 of 8 in cluster F

UST **U004047945**
N/A

Relative:
Higher

Actual:
603 ft.

UST:

Id/Status:	9-600671 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	182631.71546000001
UTM Y:	4756563.2451600004
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	332356
Affiliation Type:	Facility Owner
Company Name:	PERNA-NIAGARA, INC. D/B/A TOPS MARKET #113
Contact Type:	PRESIDENT
Contact Name:	ROBERT J. BAVISOTTO
Address1:	425 NIAGARA STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14201
Country Code:	001
Phone:	(716) 852-6112
EMail:	Not reported
Fax Number:	Not reported
Modified By:	THKNIZEK
Date Last Modified:	8/26/2008

Site Id:	332356
Affiliation Type:	Mail Contact
Company Name:	SUPERMARKET MANAGEMENT INC.
Contact Type:	Not reported
Contact Name:	ROBERT J. BAVISOTTO
Address1:	460 NIAGARA STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14201
Country Code:	001
Phone:	(716) 853-5797
EMail:	Not reported
Fax Number:	Not reported
Modified By:	LJJUDD
Date Last Modified:	10/15/2004

Site Id:	332356
Affiliation Type:	On-Site Operator
Company Name:	PERNA-NIAGARA, INC. D/B/A TOPS MARKETS #113
Contact Type:	Not reported
Contact Name:	MICHAEL SHANAHAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

PERNA-NIAGARA, INC. D/B/A TOPS MARKETS #113 (Continued) **U004047945**

Zip Code:	Not reported
Country Code:	001
Phone:	(716) 852-6112
EMail:	Not reported
Fax Number:	Not reported
Modified By:	LJJUDD
Date Last Modified:	10/15/2004

Site Id:	332356
Affiliation Type:	Emergency Contact
Company Name:	PERNA-NIAGARA, INC. D/B/A TOPS MARKET #113
Contact Type:	Not reported
Contact Name:	ROBERT J. BAVISOTTO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 853-5797
EMail:	Not reported
Fax Number:	Not reported
Modified By:	THKNIZEK
Date Last Modified:	8/26/2008

Tank Info:

Tank Number:	001
Tank ID:	180458
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	20000
Install Date:	09/16/2004
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LJJUDD
Last Modified:	10/15/2004

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
D11 - Pipe Type - Flexible Piping
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I01 - Overfill - Float Vent Valve
G04 - Tank Secondary Containment - Double-Walled (Underground)

PERNA-NIAGARA, INC. D/B/A TOPS MARKETS #113 (Continued) **U004047945**

J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
E04 - Piping Secondary Containment - Double-Walled (Underground)

Tank Number:	001
Tank ID:	180476
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	20000
Install Date:	09/16/2004
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	AESKALSK
Last Modified:	07/19/2005

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
D11 - Pipe Type - Flexible Piping
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
E04 - Piping Secondary Containment - Double-Walled (Underground)
J01 - Dispenser - Pressurized Dispenser

Tank Number:	002
Tank ID:	180459
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	10000
Install Date:	09/16/2004
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN

PERNA-NIAGARA, INC. D/B/A TOPS MARKETS #113 (Continued) **U004047945**

Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LJJUDD
Last Modified:	10/15/2004

Equipment Records:

I01 - Overfill - Float Vent Valve
G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
D11 - Pipe Type - Flexible Piping
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E04 - Piping Secondary Containment - Double-Walled (Underground)

Tank Number:	002
Tank ID:	180477
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	10000
Install Date:	09/16/2004
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	AESKALSK
Last Modified:	07/19/2005

Equipment Records:

B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
I03 - Overfill - Automatic Shut-Off
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
E04 - Piping Secondary Containment - Double-Walled (Underground)
J01 - Dispenser - Pressurized Dispenser

PERNA-NIAGARA, INC. D/B/A TOPS MARKETS #113 (Continued) **U004047945**

Affiliation Records:

Site Id:	332367
Affiliation Type:	Facility Owner
Company Name:	PERNA-NIAGARA, INC. D/B/A TOPS MARKET #113
Contact Type:	PRESIDENT
Contact Name:	ROBERT J. BAVISOTTO
Address1:	425 NIAGARA STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14201
Country Code:	001
Phone:	(716) 852-6112
EMail:	Not reported
Fax Number:	Not reported
Modified By:	THKNIZEK
Date Last Modified:	8/26/2008

Site Id:	332367
Affiliation Type:	Emergency Contact
Company Name:	PERNA-NIAGARA, INC. D/B/A TOPS MARKET #113
Contact Type:	Not reported
Contact Name:	ROBERT J. BAVISOTTO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 853-5797
EMail:	Not reported
Fax Number:	Not reported
Modified By:	THKNIZEK
Date Last Modified:	8/26/2008

Site Id:	332367
Affiliation Type:	Mail Contact
Company Name:	SUPERMARKET MANAGEMENT, INC.
Contact Type:	Not reported
Contact Name:	ROBERT J. BAVISOTTO
Address1:	460 NIAGARA STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14201
Country Code:	001
Phone:	(716) 853-5797
EMail:	RBAVISOTTO@TOPSMARKETS.COM
Fax Number:	Not reported
Modified By:	LDGOMEZ
Date Last Modified:	9/14/2009

Site Id:	332367
Affiliation Type:	On-Site Operator
Company Name:	PERNA-NIAGARA, INC. D/B/A TOPS MARKET #113
Contact Type:	Not reported
Contact Name:	MICHAEL SHANAHAN

PERNA-NIAGARA, INC. D/B/A TOPS MARKETS #113 (Continued) **U004047945**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 852-6112
EMail:	Not reported
Fax Number:	Not reported
Modified By:	THKNIZEK
Date Last Modified:	8/26/2008

Tank Info:

Tank Number:	001
Tank ID:	180458
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	20000
Install Date:	09/16/2004
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LJJUDD
Last Modified:	10/15/2004

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
D11 - Pipe Type - Flexible Piping
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I01 - Overfill - Float Vent Valve
G04 - Tank Secondary Containment - Double-Walled (Underground)
J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
E04 - Piping Secondary Containment - Double-Walled (Underground)

Tank Number:	001
Tank ID:	180476
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	20000
Install Date:	09/16/2004
Date Tank Closed:	Not reported

PERNA-NIAGARA, INC. D/B/A TOPS MARKETS #113 (Continued) **U004047945**

Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: AESKALSK
Last Modified: 07/19/2005

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
D11 - Pipe Type - Flexible Piping
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
E04 - Piping Secondary Containment - Double-Walled (Underground)
J01 - Dispenser - Pressurized Dispenser

Tank Number: 002
Tank ID: 180459
Tank Status: Tank Converted to Non-Regulated Use
Material Name: Tank Converted to Non-Regulated Use
Capacity Gallons: 10000
Install Date: 09/16/2004
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: LJJUDD
Last Modified: 10/15/2004

Equipment Records:

I01 - Overfill - Float Vent Valve
G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin

PERNA-NIAGARA, INC. D/B/A TOPS MARKETS #113 (Continued) **U004047945**

D11 - Pipe Type - Flexible Piping
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E04 - Piping Secondary Containment - Double-Walled (Underground)

Tank Number:	002
Tank ID:	180477
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	10000
Install Date:	09/16/2004
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	AESKALSK
Last Modified:	07/19/2005

Equipment Records:

B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
I03 - Overfill - Automatic Shut-Off
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
E04 - Piping Secondary Containment - Double-Walled (Underground)
J01 - Dispenser - Pressurized Dispenser

F55 **TOPS #113** **LTANKS** **S106972261**
NNW **425 NIAGARA ST** **N/A**
< 1/8 **BUFFALO, NY**
0.117 mi.
618 ft. **Site 7 of 8 in cluster F**

Relative:
Higher

Actual:
603 ft.

LTANKS:

Site ID:	349643
Spill Number/Closed Date:	0550674 / 8/19/2005
Spill Date:	7/20/2005
Spill Cause:	Tank Overfill
Spill Source:	Passenger Vehicle

TOPS #113 (Continued) **S106972261**

Spill Class:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	7/20/2005
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/20/2005
Spill Record Last Update:	8/19/2005
Spiller Name:	Not reported
Spiller Company:	TOPS
Spiller Address:	425 NIAGARA
Spiller City,St,Zip:	BUFFALO, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	296076
DEC Memo:	7/20/05 JACK FISHER WITH SENTINEL INDICATED THE DEBRIS FROM THE SPILL WILL BE DISPOSED AND A DISPOSAL RECPT WILL BE PROVIDED.8/19/05 DISPOSAL RECEIPTS PROVIDED. NO FURTHER WORK REQUIRED. SITE IS CLOSED.
Remarks:	while customer was filling his tank, overfilled it, spilling 2 to 3 gallons of gasoline to the ground. tops cleaned up and sentinel will be on site and check the cleanup.

Material:

Site ID:	349643
Operable Unit ID:	1107232
Operable Unit:	01
Material ID:	2097126
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons
Recovered:	3
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

56
West
< 1/8
0.119 mi.
628 ft.

LEONE BROS FILL STA
315 BUSTI AVE
BUFFALO, NY

EDR US Hist Auto Stat

1014536975
N/A

Relative:
Lower

Actual:
589 ft.

EDR Historical Auto Stations:

Name:	LEONE BROS FILL STA
Year:	1930
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	LEONE SAML J FILLING STA
Year:	1935
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	LEONE JOS FILLING STA
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	FRAGALE LOUIS
Year:	1950
Type:	GASOLINE STATIONS

F57
NNW
< 1/8
0.123 mi.
652 ft.

AIKEN JOHN FILLING STA
428 NIAGARA ST
BUFFALO, NY

Site 8 of 8 in cluster F

EDR US Hist Auto Stat

1014539092
N/A

Relative:
Higher

Actual:
603 ft.

EDR Historical Auto Stations:

Name:	AIKEN JOHN FILLING STA
Year:	1935
Type:	GASOLINE AND OIL SERVICE STATIONS

58
NE
1/8-1/4
0.128 mi.
674 ft.

SCHULTZ JOHN LNDRY
190 WHITNEY PL
BUFFALO, NY

EDR US Hist Cleaners

1014535780
N/A

Relative:
Higher

Actual:
606 ft.

EDR Historical Cleaners:

Name:	SCHULTZ JOHN LNDRY
Year:	1925
Type:	LAUNDRIES

K59
NNW
1/8-1/4
0.130 mi.
686 ft.

MARKEL CLEANING & DYEING WORKS INC
431 NIAGARA ST
BUFFALO, NY

Site 1 of 4 in cluster K

EDR US Hist Cleaners

1014535737
N/A

Relative:
Higher

Actual:
603 ft.

EDR Historical Cleaners:

Name:	MARKEL CLNG & DYEING WKS INC
Year:	1935
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	MARKEL CLEANING & DYEING WORKS INC

MARKEL CLEANING & DYEING WORKS INC (Continued) **1014535737**

Year: 1940
Type: CLEANERS AND DYERS

Name: MARKEL CLEANING & DYEING WORKS INC
Year: 1946
Type: CLEANERS AND DYERS

Name: MARKEL CLEANING & DYEING WORKS INC
Year: 1950
Type: CLEANERS AND DYERS

Name: MARKEL CLN & DYEING WKS INC
Year: 1955
Type: CLEANERS AND DYERS

Name: MARKEL CLEANING & DYEING WORKS INC
Year: 1960
Type: CLEANERS AND DYERS

Name: MARKEL CLEANING & DYEING WORKS INC
Year: 1964
Type: CLEANERS AND DYERS

Name: MARKEL CLEANING & DYEING WORKS INC
Year: 1970
Type: CLEANERS AND DYERS

K60 **GENTILLE PHILIP FILLING STA** **EDR US Hist Auto Stat** **1014537351**
NNW **436 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.140 mi.
739 ft. **Site 2 of 4 in cluster K**

Relative:
Higher

Actual:
603 ft.

EDR Historical Auto Stations:
Name: GENTILLE PHILIP FILLING STA
Year: 1950
Type: GASOLINE STATIONS

J61 **PARISI IGNATIUS DCLO CLNR** **EDR US Hist Cleaners** **1014536757**
SE **173 CAROLINA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.144 mi.
760 ft. **Site 4 of 4 in cluster J**

Relative:
Higher

Actual:
599 ft.

EDR Historical Cleaners:
Name: PARISI IGNATIUS DCLO CLNR
Year: 1930
Type: CLOTHES PRESSERS AND CLEANERS

L62 **SILVAGNIA RALPH MACH** **EDR US Hist Auto Stat** **1014538660**
WSW **165 TRENTON AVE** **N/A**
1/8-1/4 **BUFFALO, NY**
0.144 mi.
762 ft. **Site 1 of 2 in cluster L**

Relative:
Lower

Actual:
588 ft.

EDR Historical Auto Stations:
Name: SILVAGNIA RALPH MACH
Year: 1935
Type: REPAIR SHOPS

M63 **TRONOLONES SERV GASOLINE STA** **EDR US Hist Auto Stat** **1014539582**
NW **359 7TH ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.144 mi.
762 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
598 ft.

EDR Historical Auto Stations:
Name: KELLOGG TYDOL SERVICE STATION
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

Name: KELLOGG TYDOL SERVICE STATION
Year: 1946
Type: GASOLINE AND OIL SERVICE STATIONS

Name: FRANK & JOES SERVICE STA
Year: 1950
Type: GASOLINE STATIONS

Name: TRONOLONES SERV GASOLINE STA
Year: 1955
Type: GASOLINE STATIONS

Name: TRONOLONE FRANCIS A GAS STA
Year: 1960
Type: GASOLINE STATIONS

Name: TRONOLONES ASHLAND SERV GAS STA
Year: 1964
Type: GASOLINE STATIONS

N64 **VIRGINIA CLEANERS** **EDR US Hist Cleaners** **1014536366**
ENE **236 VIRGINIA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.145 mi.
766 ft. **Site 1 of 5 in cluster N**

Relative:
Higher

Actual:
606 ft.

EDR Historical Cleaners:
Name: CIPOLLA SANTO CLO CLNR
Year: 1946
Type: CLEANERS AND DYERS

Name: CIPOLLA SANTO CLO CLNR
Year: 1950
Type: CLEANERS AND DYERS

Name: CIPOLLA SANTO CLO CLN

VIRGINIA CLEANERS (Continued) **1014536366**

Year: 1955
Type: CLEANERS AND DYERS

Name: VIRGINIA CLEANERS
Year: 1960
Type: CLEANERS AND DYERS

Name: VIRGINIA CLEANERS CLO
Year: 1964
Type: CLEANERS AND DYERS

L65 **LOFASO STEVEN J** **EDR US Hist Cleaners** **1014535522**
WSW **136 TRENTON AVE** **N/A**
1/8-1/4 **BUFFALO, NY**
0.146 mi.
771 ft. **Site 2 of 2 in cluster L**

Relative:
Lower

Actual:
588 ft.

EDR Historical Cleaners:
Name: LOFASO STEVEN J
Year: 1950
Type: CLEANERS AND DYERS

Name: LOFASO STEVEN J CLO CLN
Year: 1955
Type: CLEANERS AND DYERS

K66 **VACANTI JAS J FILLING STA** **EDR US Hist Auto Stat** **1014538138**
NNW **440 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.148 mi.
783 ft. **Site 3 of 4 in cluster K**

Relative:
Higher

Actual:
604 ft.

EDR Historical Auto Stations:
Name: VACANTI JAS J FILLING STA
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

Name: GENTILLE PHILIP FILLING STA
Year: 1946
Type: GASOLINE AND OIL SERVICE STATIONS

Name: RUNFOLA FRANK A GAS STA
Year: 1955
Type: GASOLINE STATIONS

N67 **CIPOLLA SANTO CLO CLNR** **EDR US Hist Cleaners** **1014535389**
ENE **238 VIRGINIA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.149 mi.
788 ft. **Site 2 of 5 in cluster N**

Relative:
Higher

EDR Historical Cleaners:
Name: CIPOLLA SANTO CLO CLNR
Year: 1940
Type: CLOTHES PRESSERS AND CLEANERS

Actual:
606 ft.

N68 **NOTTO WM L REPR SHOP** **EDR US Hist Auto Stat** **1014537852**
ENE **238 VIRGINIA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.149 mi.
788 ft. **Site 3 of 5 in cluster N**

Relative:
Higher

EDR Historical Auto Stations:
Name: NOTTO WM L REPR SHOP
Year: 1950
Type: REPAIR SHOPS

Actual:
606 ft.

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69 **YOUNG RUSSELL AUTO REPR** **EDR US Hist Auto Stat** **1014539006**
NNE **227 WHITNEY PL** **N/A**
1/8-1/4 **BUFFALO, NY**
0.151 mi.
799 ft.

Relative:
Higher

EDR Historical Auto Stations:
Name: YOUNG RUSSELL AUTO REPR
Year: 1940
Type: AUTOMOBILE REPAIRING

Actual:
608 ft.

N70 **NOTTO WM L REPR SHOP** **EDR US Hist Auto Stat** **1014539310**
ENE **243 VIRGINIA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.158 mi.
835 ft. **Site 4 of 5 in cluster N**

Relative:
Higher

EDR Historical Auto Stations:
Name: NOTTO WM L REPR SHOP
Year: 1955
Type: REPAIR SHOPS

Actual:
607 ft.

K71 **MARTINELLI ANTHONY J GAS STA** **EDR US Hist Auto Stat** **1014537088**
NNW **446 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.161 mi.
848 ft. **Site 4 of 4 in cluster K**

Relative:
Higher

EDR Historical Auto Stations:
Name: MARTINELLI ANTHONY J GAS STA
Year: 1964
Type: GASOLINE STATIONS

Actual:
605 ft.

O72 **SOO WONG INDRY** **EDR US Hist Cleaners** **1014534963**
SE **259 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.167 mi.
880 ft. **Site 1 of 9 in cluster O**

Relative:
Lower

Actual:
597 ft.

EDR Historical Cleaners:

Name:	SING LEE INDRY
Year:	1925
Type:	LAUNDRIES
Name:	LEE SING INDY
Year:	1930
Type:	LAUNDRIES - CHINESE
Name:	SOO WONG INDRY
Year:	1935
Type:	LAUNDRIES - CHINESE
Name:	LEE DICK LNDRY
Year:	1940
Type:	LAUNDRIES - CHINESE

O73 **ARNO JOS ELEC REPR** **EDR US Hist Auto Stat** **1014536879**
SE **259 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.167 mi.
880 ft. **Site 2 of 9 in cluster O**

Relative:
Lower

Actual:
597 ft.

EDR Historical Auto Stations:

Name:	ARNO JOS ELEC REPR
Year:	1946
Type:	REPAIR SHOPS

P74 **HAROLDS AUTO SERV AUTO REPR** **EDR US Hist Auto Stat** **1014539237**
ESE **208 CAROLINA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.169 mi.
892 ft. **Site 1 of 3 in cluster P**

Relative:
Higher

Actual:
602 ft.

EDR Historical Auto Stations:

Name:	HAROLDS AUTO SERV AUTO REPR
Year:	1960
Type:	AUTOMOBILE REPAIRING
Name:	HAROLDS AUTO SERV AUTO REPR
Year:	1964
Type:	AUTOMOBILE REPAIRING

O75 **ARNO JOS ELEC REPR** **EDR US Hist Auto Stat** **1014538720**
SE **257 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.169 mi.
894 ft. **Site 3 of 9 in cluster O**

Relative: EDR Historical Auto Stations:
Lower
Name: ARNO JOS ELEC REPR
Year: 1946
Actual: Type: REPAIR SHOPS
597 ft.

Name: ARNO JOS R ELEC REPR
Year: 1950
Type: REPAIR SHOPS

Q76 **SONNYS KAR CLINIC GAR** **EDR US Hist Auto Stat** **1014537936**
WNW **350 BUSTI AVE** **N/A**
1/8-1/4 **BUFFALO, NY**
0.170 mi.
897 ft. **Site 1 of 3 in cluster Q**

Relative: EDR Historical Auto Stations:
Lower
Name: SONNYS KAR CLINIC GAR
Year: 1960
Actual: Type: AUTOMOBILE REPAIRING
593 ft.

N77 **BUFFALO AUTO HOSP AUTO REPR** **EDR US Hist Auto Stat** **1014538749**
ENE **250 VIRGINIA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.171 mi.
905 ft. **Site 5 of 5 in cluster N**

Relative: EDR Historical Auto Stations:
Higher
Name: BUFFALO AUTO HOSP AUTO REPR
Year: 1960
Actual: Type: AUTOMOBILE REPAIRING
608 ft.

M78 **DIVITA SAML AUTO REPR** **EDR US Hist Auto Stat** **1014537302**
NW **375 7TH ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.172 mi.
906 ft. **Site 2 of 2 in cluster M**

Relative: EDR Historical Auto Stations:
Higher
Name: DIVITA SAML AUTO REPR
Year: 1950
Actual: Type: AUTOMOBILE REPAIRING
599 ft.

79
South
1/8-1/4
0.177 mi.
934 ft.

TRUILIZIO FRANK CLO CLNR
95 CAROLINA ST
BUFFALO, NY

EDR US Hist Cleaners **1014535046**
N/A

Relative:
Lower

Actual:
590 ft.

EDR Historical Cleaners:

Name:	TRUILIZIO FRANK CLO CLNR
Year:	1940
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	TRUILIZIO FRANK CLO CLNR
Year:	1946
Type:	CLEANERS AND DYERS

Q80
WNW
1/8-1/4
0.180 mi.
949 ft.

SUPER FINE CLEANERS
359 BUSTI AVE
BUFFALO, NY
Site 2 of 3 in cluster Q

EDR US Hist Cleaners **1014536046**
N/A

Relative:
Lower

Actual:
593 ft.

EDR Historical Cleaners:

Name:	SUPER FINE CLEANERS
Year:	1946
Type:	CLEANERS AND DYERS

P81
ESE
1/8-1/4
0.184 mi.
971 ft.

OLIVERI DOLORES MRS
220 CAROLINA ST
BUFFALO, NY
Site 2 of 3 in cluster P

EDR US Hist Cleaners **1014536237**
N/A

Relative:
Higher

Actual:
604 ft.

EDR Historical Cleaners:

Name:	OLIVERI DOLORES MRS
Year:	1950
Type:	CLEANERS AND DYERS

O82
SE
1/8-1/4
0.187 mi.
988 ft.

SKYWAY DRY CLEANERS
247 NIAGARA ST
BUFFALO, NY 14201
Site 4 of 9 in cluster O

RCRA NonGen / NLR **1000833412**
FINDS **NYD987009404**
MANIFEST

Relative:
Lower

Actual:
597 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SKYWAY DRY CLEANERS
Facility address:	247 NIAGARA ST BUFFALO, NY 14201
EPA ID:	NYD987009404
Mailing address:	NIAGARA ST BUFFALO, NY 14201
Contact:	Not reported
Contact address:	NIAGARA ST BUFFALO, NY 14201
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported

SKYWAY DRY CLEANERS (Continued) **1000833412**

EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: GARY FLADING
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GARY FLADING
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SKYWAY DRY CLEANERS
Classification: Not a generator, verified

Date form received by agency: 07/14/1999
Facility name: SKYWAY DRY CLEANERS
Classification: Small Quantity Generator

Date form received by agency: 07/23/1992
Facility name: SKYWAY DRY CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

SKYWAY DRY CLEANERS (Continued) **1000833412**

FINDS:

Registry ID: 110004492987

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID:	NYD987009404
Country:	USA
Mailing Name:	SKYWAY CLEANERS
Mailing Contact:	GARY FLADING
Mailing Address:	247 NIAGARA ST
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	716-856-1147

Document ID:	NYC2282984
Manifest Status:	Completed copy
Trans1 State ID:	NYGA6403
Trans2 State ID:	Not reported
Generator Ship Date:	930513
Trans1 Recv Date:	930513
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930513
Part A Recv Date:	930524
Part B Recv Date:	930524
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

SKYWAY DRY CLEANERS (Continued) **1000833412**

Document ID:	NYC2173105
Manifest Status:	Completed copy
Trans1 State ID:	NYGA6403
Trans2 State ID:	Not reported
Generator Ship Date:	930226
Trans1 Recv Date:	930226
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930226
Part A Recv Date:	930311
Part B Recv Date:	930305
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NYC2119206
Manifest Status:	Completed copy
Trans1 State ID:	NYCL9286
Trans2 State ID:	Not reported
Generator Ship Date:	930126
Trans1 Recv Date:	930126
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930126
Part A Recv Date:	930204
Part B Recv Date:	930204
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NYC1898886
Manifest Status:	Completed copy
Trans1 State ID:	NYGA6403
Trans2 State ID:	Not reported
Generator Ship Date:	930107
Trans1 Recv Date:	930107
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930107
Part A Recv Date:	930120

SKYWAY DRY CLEANERS (Continued) **1000833412**

Part B Recv Date: 930115
Generator EPA ID: NYD987009404
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD981556541
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 93

Document ID: NYC3188575
Manifest Status: Completed copy
Trans1 State ID: NYGA6403
Trans2 State ID: Not reported
Generator Ship Date: 940826
Trans1 Recv Date: 940826
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940826
Part A Recv Date: 940913
Part B Recv Date: 940906
Generator EPA ID: NYD987009404
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD981556541
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 94

Document ID: NYC3233790
Manifest Status: Completed copy
Trans1 State ID: NYGA6403
Trans2 State ID: Not reported
Generator Ship Date: 940927
Trans1 Recv Date: 940927
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940927
Part A Recv Date: 941006
Part B Recv Date: 941006
Generator EPA ID: NYD987009404
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD981556541
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001

SKYWAY DRY CLEANERS (Continued) **1000833412**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NYC3551973
Manifest Status:	Completed copy
Trans1 State ID:	NYGA6403
Trans2 State ID:	Not reported
Generator Ship Date:	950412
Trans1 Recv Date:	950412
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950413
Part A Recv Date:	950428
Part B Recv Date:	950425
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NYC4202111
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYNA1635
Trans2 State ID:	Not reported
Generator Ship Date:	960805
Trans1 Recv Date:	960805
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960805
Part A Recv Date:	960815
Part B Recv Date:	960830
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00150
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NYC4018893
Manifest Status:	Completed copy
Trans1 State ID:	NYGA6403

SKYWAY DRY CLEANERS (Continued) **1000833412**

Trans2 State ID: Not reported
Generator Ship Date: 960215
Trans1 Recv Date: 960215
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960219
Part A Recv Date: 960227
Part B Recv Date: 960229
Generator EPA ID: NYD987009404
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD981556541
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00150
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NYC4077180
Manifest Status: Completed copy
Trans1 State ID: NYNA1635
Trans2 State ID: Not reported
Generator Ship Date: 960520
Trans1 Recv Date: 960520
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960520
Part A Recv Date: 960612
Part B Recv Date: 960604
Generator EPA ID: NYD987009404
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD981556541
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00150
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NYC4930626
Manifest Status: Completed copy
Trans1 State ID: NYIT5466
Trans2 State ID: Not reported
Generator Ship Date: 971215
Trans1 Recv Date: 971215
Trans2 Recv Date: Not reported
TSD Site Recv Date: 971215
Part A Recv Date: 980107
Part B Recv Date: 980105
Generator EPA ID: NYD987009404
Trans1 EPA ID: ILD984908202

SKYWAY DRY CLEANERS (Continued) **1000833412**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00150
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NYC5489820
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	Not reported
Generator Ship Date:	02/10/1999
Trans1 Recv Date:	02/10/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/10/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	NYD981556541
Trans2 EPA ID:	Not reported
TSDF ID:	NYNA1635
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00120
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC2411831
Manifest Status:	Completed copy
Trans1 State ID:	NYGA6403
Trans2 State ID:	Not reported
Generator Ship Date:	930708
Trans1 Recv Date:	930708
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930708
Part A Recv Date:	930721
Part B Recv Date:	930716
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

SKYWAY DRY CLEANERS (Continued) **1000833412**

Year: 93

Document ID: NYC2259101
Manifest Status: Completed copy
Trans1 State ID: NYGA6403
Trans2 State ID: Not reported
Generator Ship Date: 930415
Trans1 Recv Date: 930415
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930415
Part A Recv Date: 930423
Part B Recv Date: 930423
Generator EPA ID: NYD987009404
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD981556541
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00120
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 93

Document ID: NYC2343532
Manifest Status: Completed copy
Trans1 State ID: NYEM4533
Trans2 State ID: Not reported
Generator Ship Date: 930608
Trans1 Recv Date: 930608
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930608
Part A Recv Date: 930621
Part B Recv Date: 930617
Generator EPA ID: NYD987009404
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD981556541
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 93

Document ID: NYC3583056
Manifest Status: Completed copy
Trans1 State ID: NYHJ9192
Trans2 State ID: Not reported
Generator Ship Date: 950629
Trans1 Recv Date: 950629

SKYWAY DRY CLEANERS (Continued) **1000833412**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950630
Part A Recv Date:	950710
Part B Recv Date:	950713
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NYC3906371
Manifest Status:	Completed copy
Trans1 State ID:	NYGA6403
Trans2 State ID:	Not reported
Generator Ship Date:	950609
Trans1 Recv Date:	950609
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950612
Part A Recv Date:	950622
Part B Recv Date:	950620
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NYC2457595
Manifest Status:	Completed copy
Trans1 State ID:	NYGA6403
Trans2 State ID:	Not reported
Generator Ship Date:	930805
Trans1 Recv Date:	930805
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930805
Part A Recv Date:	930818
Part B Recv Date:	930816
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

SKYWAY DRY CLEANERS (Continued) **1000833412**

Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NYC2520011
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYGA6403
Trans2 State ID:	Not reported
Generator Ship Date:	930902
Trans1 Recv Date:	930902
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930902
Part A Recv Date:	931021
Part B Recv Date:	931004
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NYC2570466
Manifest Status:	Completed copy
Trans1 State ID:	NYEM4533
Trans2 State ID:	Not reported
Generator Ship Date:	930927
Trans1 Recv Date:	930927
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930927
Part A Recv Date:	931110
Part B Recv Date:	931007
Generator EPA ID:	NYD987009404
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD981556541
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

SKYWAY DRY CLEANERS (Continued) **1000833412**

Click this hyperlink while viewing on your computer to access
17 additional NY_MANIFEST: record(s) in the EDR Site Report.

O83 **SKYWAY DRY CLEANERS** **DRYCLEANERS** **S110247915**
SE **247 NIAGARA STREET** **N/A**
1/8-1/4 **BUFFALO, NY 14201**
0.187 mi.
988 ft. **Site 5 of 9 in cluster O**

Relative:
Lower

Actual:
597 ft.

DRYCLEANERS:

Facility ID:	9-1402-00852
Phone Number:	716-856-1147
Region:	Not reported
Registration Effective Date:	N/A
Inspection Date:	04MAY31
Install Date:	89/04
Drop Shop:	Y
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	Not reported

O84 **EDR US Hist Cleaners** **1014536514**
SE **247 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY 14201**
0.187 mi.
988 ft. **Site 6 of 9 in cluster O**

Relative:
Lower

Actual:
597 ft.

EDR Historical Cleaners:

Name:	SKYWAY CLEANERS
Year:	1985
Type:	CLEANERS AND DYERS
Name:	SKYWAY CLEANERS DRY
Year:	1992
Type:	CLEANERS
Name:	SKYWAY CLEANERS
Year:	1999
Address:	247 NIAGARA ST
Name:	SKYWAY CLEANERS
Year:	2000
Address:	247 NIAGARA ST
Name:	SKYWAY CLEANERS
Year:	2001
Address:	247 NIAGARA ST
Name:	SKYWAY CLEANERS
Year:	2002
Address:	247 NIAGARA ST
Name:	SKYWAY CLEANERS
Year:	2005
Address:	247 NIAGARA ST

(Continued) **1014536514**

Name: SKYWAY CLEANERS
Year: 2006
Address: 247 NIAGARA ST

P85 **CAROLINA SPEED WASH** **EDR US Hist Cleaners** **1014536617**
ESE **224 CAROLINA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.189 mi.
999 ft. **Site 3 of 3 in cluster P**

Relative:
Higher

Actual:
604 ft.

EDR Historical Cleaners:

Name: CAROLINA SPEED WASH
Year: 1964
Type: LAUNDRIES - SELF SERVE

Name: CAROLINA SPEED WASH
Year: 1970
Type: LAUNDRIES - SELF SERVE

R86 **PANEPINO CHAS AUTO REPR** **EDR US Hist Auto Stat** **1014539702**
WSW **183 EFNER ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.189 mi.
999 ft. **Site 1 of 2 in cluster R**

Relative:
Lower

Actual:
583 ft.

EDR Historical Auto Stations:

Name: PANEPINO CHAS AUTO REPR
Year: 1950
Type: AUTOMOBILE REPAIRING

Name: PANEPINO CHAS AUTO REPR
Year: 1955
Type: AUTOMOBILE REPAIRING

S87 **FRONT SERVICE DRY CLEANERS** **EDR US Hist Cleaners** **1014535159**
NNE **259 MARYLAND ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.191 mi.
1007 ft. **Site 1 of 2 in cluster S**

Relative:
Higher

Actual:
609 ft.

EDR Historical Cleaners:

Name: FRONT SERVICE DRY CLEANERS
Year: 1946
Type: CLEANERS AND DYERS

R88
WSW
1/8-1/4
0.191 mi.
1010 ft.

WOZNIAK AL AUTO REPR
160 EFNER ST
BUFFALO, NY

Site 2 of 2 in cluster R

EDR US Hist Auto Stat **1014538994**
N/A

Relative:
Lower

Actual:
583 ft.

EDR Historical Auto Stations:

Name:	WOZNIAK AL AUTO REPR
Year:	1950
Type:	AUTOMOBILE REPAIRING

89
SW
1/8-1/4
0.197 mi.
1038 ft.

PINTO CLEANERS & DYERS
47 VIRGINIA ST
BUFFALO, NY

EDR US Hist Cleaners **1014535542**
N/A

Relative:
Lower

Actual:
585 ft.

EDR Historical Cleaners:

Name:	PINTO CLEANERS AND DYERS
Year:	1955
Type:	CLEANERS AND DYERS
Name:	PINTO CLEANERS & DYERS
Year:	1960
Type:	CLEANERS AND DYERS
Name:	PINTO CLEANERS & DYERS INC
Year:	1964
Type:	CLEANERS AND DYERS

T90
NNW
1/8-1/4
0.197 mi.
1039 ft.

NIAGARA HUDSON CLEANING PLANT
178 HUDSON ST
BUFFALO, NY

Site 1 of 6 in cluster T

EDR US Hist Cleaners **1014534981**
N/A

Relative:
Higher

Actual:
609 ft.

EDR Historical Cleaners:

Name:	MANZE THERESA CLO CLNRS
Year:	1950
Type:	CLEANERS AND DYERS
Name:	NIAGARA HUDSON CLEANING PLANT
Year:	1960
Type:	CLEANERS AND DYERS

T91
NNW
1/8-1/4
0.197 mi.
1042 ft.

461 NIAGARA ST
BUFFALO, NY 14201

Site 2 of 6 in cluster T

EDR US Hist Cleaners **1014535246**
N/A

Relative:
Higher

Actual:
607 ft.

EDR Historical Cleaners:

Name:	NIAGARA HUDSON CLEANERS
Year:	1935
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	NIAGARA HUDSON CLNRS

(Continued) **1014535246**

Year: 1940
Type: CLOTHES PRESSERS AND CLEANERS

Name: NIAGARA HUDSON CLNRS
Year: 1946
Type: CLEANERS AND DYERS

Name: NIAGARA HUDSON CLNRS
Year: 1950
Type: CLEANERS AND DYERS

Name: NIAGARA HUDSON CLNS
Year: 1955
Type: CLEANERS AND DYERS

Name: NIAGARA HUDSON CLNS
Year: 1960
Type: CLEANERS AND DYERS

Name: NIAGARA HUDSON CLNS
Year: 1964
Type: CLEANERS AND DYERS

Name: NIAGARA HUDSON CLEANERS
Year: 1970
Type: CLEANERS AND DYERS

Name: NIAGARA HUDSON CLEANERS
Year: 1975
Type: CLEANERS AND DYERS

Name: NIAGARA HUDSON CLEANERS
Year: 1980
Type: CLEANERS AND DYERS

Name: NIAGARA HUDSON CLEANERS
Year: 1985
Type: CLEANERS AND DYERS

Name: NIAGARA HUDSON CLEANERS
Year: 1992
Type: CLEANERS

Name: NIAGARA HUDSON CLEANERS
Year: 1998
Type: CLEANERS

Name: NIAGARA HUDSON CLEANERS DRYCLNG PLTS
Year: 2001
Type: CLEANERS

Name: HUDSON NIAGARA CLEANERS
Year: 2004
Address: 461 NIAGARA ST

Name: NIAGARA HUDSON CLEANERS
Year: 2005

(Continued) **1014535246**

Address: 461 NIAGARA ST

Name: NIAGARA HUDSON CLEANERS
Year: 2006
Address: 461 NIAGARA ST

T92 **NIAGARA HUDSON CLEANERS** **DRYCLEANERS** **S110247468**
NNW **461 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY 14201**
0.197 mi.
1042 ft. **Site 3 of 6 in cluster T**

Relative:
Higher

Actual:
607 ft.

DRYCLEANERS:
Facility ID: --
Phone Number: Not reported
Region: 9
Registration Effective Date: N/A
Inspection Date: 07DEC20
Install Date: Not reported
Drop Shop: Not reported
Shutdown: Y
Alternate Solvent: Not reported
Current Business: NOT A DRY CLEANER

U93 **MENDYS COLLISION SERV AUTO REPR** **EDR US Hist Auto Stat** **1014537080**
NW **115 HUDSON ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.200 mi.
1058 ft. **Site 1 of 6 in cluster U**

Relative:
Higher

Actual:
598 ft.

EDR Historical Auto Stations:
Name: MENDYS COLLISION SERV AUTO REPR
Year: 1964
Type: AUTOMOBILE REPAIRING

V94 **LOCURTO CHAS CLO CLNR** **EDR US Hist Cleaners** **1014535729**
ENE **263 VIRGINIA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.200 mi.
1058 ft. **Site 1 of 3 in cluster V**

Relative:
Higher

Actual:
609 ft.

EDR Historical Cleaners:
Name: LOCURTO CHAS CLO CLNR
Year: 1946
Type: CLEANERS AND DYERS

W95 **DOORWAY RUG RUG CLNS** **EDR US Hist Cleaners** **1014535648**
ESE **234 CAROLINA ST** **N/A**
1/8-1/4 **BUFFALO, NY 14201**
0.203 mi.
1074 ft. **Site 1 of 2 in cluster W**

Relative:
Higher

Actual:
605 ft.

EDR Historical Cleaners:
Name: DOORWAY RUG RUG CLNS
Year: 1970
Type: CARPET AND RUG CLEANERS

W96 **HENDEES GARAGE** **EDR US Hist Auto Stat** **1014538148**
ESE **234 CAROLINA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.203 mi.
1074 ft. **Site 2 of 2 in cluster W**

Relative:
Higher

Actual:
605 ft.

EDR Historical Auto Stations:
Name: RUNDATZ GEO AUTO REPR
Year: 1940
Type: AUTOMOBILE REPAIRING

Name: HENDEES GARAGE
Year: 1946
Type: AUTOMOBILE REPAIRING

O97 **PARISI IGNAZIO CLO CLNRS** **EDR US Hist Cleaners** **1014535247**
SE **237 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.205 mi.
1081 ft. **Site 7 of 9 in cluster O**

Relative:
Lower

Actual:
597 ft.

EDR Historical Cleaners:
Name: PARISI IGNAZIO CLO CLNRS
Year: 1946
Type: CLEANERS AND DYERS

U98 **DELMONTE CLEANERS & DYERS** **EDR US Hist Cleaners** **1014534927**
NW **110 HUDSON ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.206 mi.
1087 ft. **Site 2 of 6 in cluster U**

Relative:
Lower

Actual:
597 ft.

EDR Historical Cleaners:
Name: DELMONTE CLEANERS & DYERS
Year: 1955
Type: CLEANERS AND DYERS

Q99
WNW
1/8-1/4
0.206 mi.
1088 ft.

VERSO JNS CLNR
374 BUSTI AVE
BUFFALO, NY

Site 3 of 3 in cluster Q

EDR US Hist Cleaners **1014536815**
N/A

Relative:
Lower

Actual:
594 ft.

EDR Historical Cleaners:

Name:	VERSO JOS CLNR
Year:	1950
Type:	CLEANERS AND DYERS
Name:	VERSO JNS CLNR
Year:	1955
Type:	CLEANERS AND DYERS
Name:	VERSO JOS T CLO CLN & TAILOR
Year:	1960
Type:	CLOTHES PRESSERS AND CLEANERS

V100
ENE
1/8-1/4
0.208 mi.
1096 ft.

SING LEE INDRY
268 VIRGINIA ST
BUFFALO, NY

Site 2 of 3 in cluster V

EDR US Hist Cleaners **1014536294**
N/A

Relative:
Higher

Actual:
609 ft.

EDR Historical Cleaners:

Name:	SING LEE INDRY
Year:	1925
Type:	LAUNDRIES

T101
NNW
1/8-1/4
0.209 mi.
1106 ft.

HOROWITZ SAML CLO CLNR
468 NIAGARA ST
BUFFALO, NY

Site 4 of 6 in cluster T

EDR US Hist Cleaners **1014535445**
N/A

Relative:
Higher

Actual:
607 ft.

EDR Historical Cleaners:

Name:	HOROWITZ SAML CLO CLNR
Year:	1935
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	HOROWITZ SAML D CLO CLNR
Year:	1940
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	CURTO CLEANERS
Year:	1946
Type:	CLEANERS AND DYERS
Name:	CURTOS CLEANERS
Year:	1950
Type:	CLEANERS AND DYERS

U102 **DELMONTE BART CLO CLNR** **EDR US Hist Cleaners** **1014536175**
NW **394 7TH ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.211 mi.
1114 ft. **Site 3 of 6 in cluster U**

Relative: **Higher**

Actual: **601 ft.**

EDR Historical Cleaners:

Name:	DELMONTE BART CLO CLNR
Year:	1946
Type:	CLEANERS AND DYERS
Name:	DELMONTE BART CLO CLNR
Year:	1950
Type:	CLEANERS AND DYERS

O103 **CATALANO CRUCIANO FILLING STA** **EDR US Hist Auto Stat** **1014539506**
SE **233 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.212 mi.
1119 ft. **Site 8 of 9 in cluster O**

Relative: **Lower**

Actual: **597 ft.**

EDR Historical Auto Stations:

Name:	CATALANO CRUCIANO FILLING STA
Year:	1925
Type:	FILLING STATIONS

O104 **EDR US Hist Cleaners** **1014535308**
SE **233 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY 14201**
0.212 mi.
1119 ft. **Site 9 of 9 in cluster O**

Relative: **Lower**

Actual: **597 ft.**

EDR Historical Cleaners:

Name:	VEGAS EXCLUSIVE DRY
Year:	2008
Type:	CLEANERS
Name:	VEGAS EXCLUSIVE DRY CLEANERS
Year:	2010
Address:	233 NIAGARA ST
Name:	VEGAS EXCLUSIVE DRY CLEANERS
Year:	2011
Address:	233 NIAGARA ST
Name:	VEGAS EXCLUSIVE DRY CLEANERS
Year:	2012
Address:	233 NIAGARA ST

T105 **HUDSON OLIVER TAILORING CO SAML DI LORENZO SAML ADRAGNIA DYE** **EDR US Hist Cleaners** **1014535187**
NNW **469 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.213 mi.
1127 ft. **Site 5 of 6 in cluster T**

Relative:
Higher

Actual:
607 ft.

EDR Historical Cleaners:
Name: HUDSON OLIVER TAILORING CO SAML DI LORENZO SAML ADRAGNIA DYERS AND CLE
Year: 1925
Type: DYERS AND CLEANERS

S106 **ZIRPOLA SALVATORE CLO CLNR** **EDR US Hist Cleaners** **1014536500**
NNE **273 MARYLAND ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.217 mi.
1147 ft. **Site 2 of 2 in cluster S**

Relative:
Higher

Actual:
610 ft.

EDR Historical Cleaners:
Name: ZIRPOLA SALVATORE CLO CLNR
Year: 1950
Type: CLEANERS AND DYERS

Name: SMITHS QUALITY LNDRY
Year: 1955
Type: LAUNDRIES

Name: SMITH LAUNDRY & CLEANERS
Year: 1960
Type: LAUNDRIES

Name: QUALITY LNDRY & CLNS
Year: 1964
Type: LAUNDRIES

T107 **ECON O WASH AUTOMATIC LNDRY** **EDR US Hist Cleaners** **1014534915**
NNW **471 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.217 mi.
1148 ft. **Site 6 of 6 in cluster T**

Relative:
Higher

Actual:
607 ft.

EDR Historical Cleaners:
Name: ECON O WASH AUTOMATIC LNDRY
Year: 1964
Type: LAUNDRIES - SELF SERVE

Name: GOLDEN BOY ENTERPRISES INC
Year: 1970
Type: LAUNDRIES - SELF SERVE

Name: SPEED WASH LAUNDROMAT
Year: 1975
Type: LAUNDRIES - SELF SERVE

X108 **NYSDEC REGION 9** **MANIFEST** **1009235346**
NE **108 WEST AVE** **N/A**
1/8-1/4 **BUFFALO, NY**
0.221 mi.
1168 ft. **Site 1 of 2 in cluster X**

Relative:
Higher

Actual:
612 ft.

NY MANIFEST:

EPA ID:	NYP003602539
Country:	USA
Mailing Name:	NYSDEC REGION 9
Mailing Contact:	L SCOTT
Mailing Address:	270 MICHIGAN AVE
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14203
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	716-851-7220

Document ID:	NYG2518416
Manifest Status:	Not reported
Trans1 State ID:	NYD986980753
Trans2 State ID:	Not reported
Generator Ship Date:	11/21/2001
Trans1 Recv Date:	11/21/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/21/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP003602539
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	45742JD
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

U109 **MANGANELLO MARY CLO CLNR** **EDR US Hist Cleaners** **1014536231**
WNW **383 BUSTI AVE** **N/A**
1/8-1/4 **BUFFALO, NY**
0.222 mi.
1173 ft. **Site 4 of 6 in cluster U**

Relative:
Lower

Actual:
595 ft.

EDR Historical Cleaners:

Name:	MANGANELLO MARY CLO CLNR
Year:	1946
Type:	CLEANERS AND DYERS

X110 **LAMAR ADVERTISING** **RCRA NonGen / NLR** **1001215445**
NE **105 WEST AVE** **FINDS** **NYR000045476**
1/8-1/4 **BUFFALO, NY 14203** **MANIFEST**
0.223 mi. **NY Spills**
1177 ft. **Site 2 of 2 in cluster X**

Relative:
Higher

Actual:
612 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	LAMAR ADVERTISING
Facility address:	105 WEST AVE BUFFALO, NY 14203
EPA ID:	NYR000045476
Mailing address:	PO BOX 54 BUFFALO, NY 14240
Contact:	GEORGE PETERSON
Contact address:	PO BOX 54 BUFFALO, NY 14240
Contact country:	US
Contact telephone:	(716) 852-5791
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	LAMAR ADVERTISING
Owner/operator address:	PO BOX 54 BUFFALO, NY 14240
Owner/operator country:	US
Owner/operator telephone:	(716) 852-5791
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	LAMAR ADVERTISING
Owner/operator address:	PO BOX 54 BUFFALO, NY 14240
Owner/operator country:	US
Owner/operator telephone:	(716) 852-5791
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

LAMAR ADVERTISING (Continued) **1001215445**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: LAMAR ADVERTISING
Classification: Not a generator, verified

Date form received by agency: 10/01/1997
Facility name: LAMAR ADVERTISING
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004537706

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000045476
Country: USA
Mailing Name: LAMAR ADVERTISING
Mailing Contact: GEORGE PETERSON
Mailing Address: P.O.B 54
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14240
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 716-852-5791

Document ID: NYB8044209
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 971029
Trans1 Recv Date: 971029
Trans2 Recv Date: Not reported
TSD Site Recv Date: 971031
Part A Recv Date: 971117
Part B Recv Date: 971201
Generator EPA ID: NYR000045476
Trans1 EPA ID: OHD004178612
Trans2 EPA ID: Not reported
TSDF ID: OHD004178612

LAMAR ADVERTISING (Continued) **1001215445**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

SPILLS:

Facility ID:	9708558
DER Facility ID:	67988
Facility Type:	ER
Site ID:	71938
DEC Region:	9
Spill Date:	9/25/1997
Spill Number/Closed Date:	9708558 / 11/20/1997
Spill Cause:	Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	10/21/1997
CID:	999
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/22/1997
Spill Record Last Update:	10/8/1999
Spiller Name:	GEORGE PETERSON
Spiller Company:	LAMAR ADVERTISING
Spiller Address:	105 WEST AVENUE
Spiller City,St,Zip:	BUFFALO, NY 14203-
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FG"10/22/97 CALLED LAMAR ADVERTISING (GEORGE PETERSON). HE SAID HE HASN'T RECEIVED ANALYTICAL DATA. I TOLD HIM ADDITIONAL WORK WILL BE REQUIRED BASED ON THE ANALYTICAL SUBMITTED BY ELMWOOD TANK. HE SAID HE NEVER USED A DIESEL OR FUEL OIL UST, ONLY GASOLINE. I TOLD HIM I WILL SEND HIM A LETTER WITH REQUIREMENTS. HE ASKED THAT WE CALL ELMWOOD TANK.10/22/97 SPOKE TO JOE AT ELMWOOD TANK. I ASKED WHY HE ANALYZED FOR 8270 AND HE WAS NOT SURE. I TOLD HIM ADDITIONAL WORK WILL BE REQUIRED.10/28/97 ELMWOOD TANK, JOE, CALLED AND SAID THAT HE WILL COLLECT BORE SAMPLES FROM THE FORMER EXCAVATION FOR 8270 TCLP. HE THINKS THE MATERIAL IS FILL FROM THE 1920'S. HE WILL SEND IN RESULTS.11/20/97 RECD RESULTS FROM RESAMPLING. TCLP 8270 BELOW STARS. NO FURTHER WORK REQUIRED. SITE CAN BE CLOSED.

LAMAR ADVERTISING (Continued) **1001215445**

Remarks: ANALYTICAL RESULTS FROM TANK REMOVAL >STARS SEE ATTACHED

Material:

Site ID:	71938
Operable Unit ID:	1051718
Operable Unit:	01
Material ID:	330523
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

111
South
1/8-1/4
0.223 mi.
1177 ft.

BARILE JOHN T CLO CLNR **EDR US Hist Cleaners** **1014535366**
95 BUSTI AVE **N/A**
BUFFALO, NY

Relative:
Lower

Actual:
588 ft.

EDR Historical Cleaners:

Name:	BARILE JAS B CLO CLNR
Year:	1950
Type:	CLEANERS AND DYERS
Name:	BARILE JOHN T CLO CLNR
Year:	1955
Type:	CLEANERS AND DYERS
Name:	GEORGIAN DRY CLNS
Year:	1960
Type:	CLEANERS AND DYERS
Name:	GEORGIAN DRY CLNS
Year:	1964
Type:	CLEANERS AND DYERS

U112
WNW
1/8-1/4
0.223 mi.
1177 ft.

DUPLEX LAUNDERETTE SELF SERV **EDR US Hist Cleaners** **1014536158**
382 BUSTI AVE **N/A**
BUFFALO, NY 14201

Site 5 of 6 in cluster U

Relative:
Lower

Actual:
595 ft.

EDR Historical Cleaners:

Name:	DUPLEX LAUNDERETTE
Year:	1964
Type:	LAUNDRIES - SELF SERVE
Name:	DUPLEX LAUNDERETTE SELF SERV
Year:	1970

DUPLEX LAUNDERETTE SELF SERV (Continued) **1014536158**

Type: LAUNDRIES - SELF SERVE

U113 **VACANT LOUIS A FILLING STA** **EDR US Hist Auto Stat** **1014539019**
WNW **384 BUSTI AVE** **N/A**
1/8-1/4 **BUFFALO, NY**
0.226 mi.
1193 ft. **Site 6 of 6 in cluster U**

Relative:
Lower

EDR Historical Auto Stations:
Name: VACANT LOUIS A FILLING STA
Year: 1935
Actual:
595 ft.
Type: GASOLINE AND OIL SERVICE STATIONS

Y114 **JOHNSON PARK DRY CLEANING** **EDR US Hist Cleaners** **1014536730**
SE **225 NIAGARA ST** **N/A**
1/8-1/4 **BUFFALO, NY 14201**
0.226 mi.
1194 ft. **Site 1 of 2 in cluster Y**

Relative:
Lower

EDR Historical Cleaners:
Name: PARISI IGNATIUS CLO CLNR
Year: 1950
Actual:
597 ft.
Type: CLEANERS AND DYERS

Name: JOHNSON PARK DRY CLN & TAILORING
Year: 1955
Type: CLEANERS AND DYERS

Name: JOHNSON PARK DRY CLN & TAILORING
Year: 1960
Type: CLEANERS AND DYERS

Name: JOHNSON PARK DRY CLN & TAILORING
Year: 1964
Type: CLEANERS AND DYERS

Name: JOHNSON PARK DRY CLEANING & TAILORING
Year: 1970
Type: CLEANERS AND DYERS

Name: JOHNSON PARK DRY CLEANING
Year: 1975
Type: CLEANERS AND DYERS

V115 **COOKE CHAS DCLO CLNR** **EDR US Hist Cleaners** **1014536375**
ENE **281 VIRGINIA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.236 mi.
1244 ft. **Site 3 of 3 in cluster V**

Relative:
Higher

EDR Historical Cleaners:
Name: COOKE CHAS DCLO CLNR
Year: 1930
Actual:
612 ft.
Type: CLOTHES PRESSERS AND CLEANERS

116
NNW
1/8-1/4
0.237 mi.
1253 ft.

FRONT SERVICE DRY CLEANERS
341 PROSPECT AVE
BUFFALO, NY

EDR US Hist Cleaners **1014536670**
N/A

Relative:
Higher

Actual:
613 ft.

EDR Historical Cleaners:
Name: FRONT SERVICE DRY CLEANERS
Year: 1960
Type: CLEANERS AND DYERS

117
SSW
1/8-1/4
0.240 mi.
1266 ft.

FOURTH STREET MGP SITE
43 CAROLINA STREET
BUFFALO, NY 14202

SHWS **S103919868**
N/A

Relative:
Lower

Actual:
586 ft.

SHWS:
Program: HW
Site Code: 57529
Classification: SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.
Region: 9
Acres: 5.000
HW Code: 915167
Record Add: 11/18/1999
Record Upd: 07/22/2013
Updated By: AJWHITE
Site Description: Site Location: The 5-acre site is located on Fourth and Village Court streets in the City of Buffalo, NY. The site is bounded by the Waterfront School building and the National Fuel Gas Buffalo Service Station on the south, Fourth Street on the west, Pine Harbor Apartments on the east and athletic fields on the north. The site is located in a mixed residential, commercial, and recreational setting approximately 1500 feet east of the Lake Erie shoreline. The highway I-190 is located south west of the site immediately adjacent to Fourth Street.Site Features: Three water lines, over 100-year old major sewer line, and several other utility lines are located at the site. No drinking water wells are located in the vicinity of the site. It is noted that the National Fuel Gas property, located south of the site, is another former Manufactured Gas Plant site (see Site #C915194).Current Zoning: The site is currently vacant and zoned as commercial.Historic Use(s):From 1870 to approximately 1915 the Citizens Gas Works operated an MGP at the site property. This plant produced gas for heating and lighting by heat-treating coal and petroleum products. From 1934 to 1958 a portion of the property was used by the Greyhound Bus Company. Historical information and maps indicate that historical businesses at the site contained coal bins, sand piles, engine rooms, garages, etc.The exact nature of the operation at the Citizens Gas Works is unknown, however, a typical MGP facility produced gas by either a carbonation or gasification process. The carbonation process heated coal in the absence of oxygen to produce primarily a methane and hydrogen gas mixture called coal gas. The gasification process infused steam through hot coal or coke, resulting in the formation of water gas, which consisted primarily of hydrogen and carbon dioxide. Water gas was often combined with oil gas to increase its BTU content. The by-products from these operations included a dense, oily liquid known as coal tar, coke, and ammonia. Large quantities of ash were also produced from the carbonation process. Substantial amounts of tar typically escaped

FOURTH STREET MGP SITE (Continued) **S103919868**

collection and was spilled or disposed onto the land. It is believed that during demolition of the Citizens Gas Works facility, these wastes were covered with various fill materials. The site is currently owned by the Buffalo Urban Renewal Agency (BURA).The following remedial work was conducted at the site:1991-1992 - The Buffalo Urban Renewal Agency (BURA) undertook an environmental assessment in preparation for a possible residential development.1996 - NYSDOH conducted sampling of sump water and indoor air in the basement of the adjacent Waterfront School.1996 - NYSDEC/NYSDOH sampled surface soils, subsurface soils, waste material and groundwater. Based upon the sampling that showed the presence of hazardous waste as defined in the 6NYCRR Part 371, the site was listed as a class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State. A classification 2 means that the site poses a significant threat to the public health and/or the environment and action is required. 1998 2001 - BURA undertakes a remedial investigation and feasibility study of the property.The RI/FS by the Buffalo Urban Renewal Agency was completed in 2001. A Record of Decision (ROD) was issued in 2001 requiring the removal of all contaminated tar materials from the site. The Remedial Action implemented by DEC consisted of source removal by excavation and off-site disposal and/or treatment began in 2005 and was completed in early 2006. The excavated areas were backfilled with clean fill and restored as a surface parking lot and driveways for the Waterfront School. At the request of the City of Buffalo the contaminated soil located adjacent and along the 100 year old sewer line was not removed because the excavation would cause damage to the sewer line.The deed restriction signed by the the City of Buffalo includes the restriction on any intrusive work along the sewer line in the future and groundwater restriction. The groundwater monitoring conducted for several years after the completion of remediation shows that the contamination in groundwater has declined significantly and has reached asymptotic levels. No further groundwater monitoring is required for the site.The site will be re-classified from Class 2 to Class C which indicates that all work has been completed and requires no monitoring.Site Geology and Hydrogeology:In general, fill material is present over the entire site. The depth of fill varies from 4.5 to 14 feet. The fill consists of brick, cement, slag, coal, wood, silt, sand, and gravel. Below this fill material are sediment layers of glacial lake deposits consisting of clay, silt, gravel, and sand. Below the sediment layer is limestone bedrock which is found at an approximate depth of 22 feet below the ground surface. Precipitation onto the top of the land surfaces is collected by area sewers and is treated at the Buffalo Sewer Authority before being discharged into the Niagara River. In the site area, the general groundwater flow direction is towards Lake Erie, however, the hydrology on the south side of the school building is complex due to the building and the former Wilkeson Slip, one of the several boat slips connected to the Erie canal (which is completely filled in and is not visibly noticeable) located at the property line of the school and National Fuel Gas. The groundwater was encountered between 4 to 6 feet below ground surface.

Env Problem: Prior to Remediation:In 1992 the Buffalo Urban Renewal Agency (BURA), the current owner, planned to develop this property and contracted a site investigation. The investigation included the excavation of 29 test pits over the entire property, and installation of four monitoring wells. Black tar was found in one area of the property.

FOURTH STREET MGP SITE (Continued) **S103919868**

Soil/tar and groundwater samples were tested during this phase of investigation. The soil/tar samples contained up to 3300 parts per million (ppm) or milligram per kilogram (mg/kg) of benzene, 3000 ppm of toluene, 2700 ppm of xylenes, 3000 ppm phenolic compounds, and 53,000 ppm of PAHs. The well in the tar area exceeded groundwater standards for benzene, toluene, xylenes, PAHs, and phenolic compounds. In August 1996, NYSDEC/NYSDOH did additional testing. The results from this testing detected surface soil samples containing up to 420 ppm PAHs. The area where surficial contamination was found, was fenced-in by BURA. The tar material was found to be a hazardous waste as it failed TCLP for benzene. BTEX concentrations in groundwater samples ranged from non-detect to 1,987 parts per billion (ppb) or micrograms per kilogram (ug/kg).Post Remediation:The remedial activities conducted in 2005-2006 at the site have removed all the hazardous waste and contaminated soil from the site. A small area of contaminated soil along the Swan Sewer line could not be excavated because of the structural concerns for the old brick sewer and is subject to an Environmental Easement.The groundwater monitoring conducted for several years after the completion of remediation shows that the contamination in groundwater has declined significantly and has reached asymptotic levels. No further groundwater monitoring is required for the site.The site will be re-classified from Class 2 to Class C which indicates that all work has been completed and requires no monitoring.

Health Problem:	Since the site is covered by asphalt or concrete, people will not come into contact with residual contamination in soil that remains along the sewer line or in groundwater unless they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Environmental sampling indicates soil vapor intrusion is not a concern.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1900
Disp Term:	unknown
Lat/Long:	42:53:25:0 / 78:53:17:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	7/11/2013 8:36:00 AM
Updated By:	VRNATTAN
Own Op:	Owner
Sub Type:	05
Owner Name:	John Heffron
Owner Company:	City of Buffalo - Urban Renewal
Owner Address:	City Hall - Room 1104
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14202
Owner Country:	United States of America

FOURTH STREET MGP SITE (Continued) **S103919868**

Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	UNKNOWN3
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
HW Code:	915167
Waste Type:	TARS FROM MANUFACTURED GAS PROCESSES
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915167
Waste Type:	BENZENE (D018)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915167
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915167
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915167
Waste Type:	TOLUENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915167
Waste Type:	Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915167
Waste Type:	XYLENE (MIXED)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

Z118 **NOTARO PETER J CLO CLN** **EDR US Hist Cleaners** **1014535533**
East **259 CAROLINA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.245 mi.
1293 ft. **Site 1 of 2 in cluster Z**

Relative:
Higher

Actual:
608 ft.

EDR Historical Cleaners:

Name:	NOTARO PETER J CLO CLN
Year:	1950
Type:	CLEANERS AND DYERS

AA119
SE
1/8-1/4
0.247 mi.
1305 ft.

DELGAUDIO THOS
34 PROSPECT AVE
BUFFALO, NY

Site 1 of 2 in cluster AA

EDR US Hist Auto Stat **1014537701**
N/A

Relative:
Higher

Actual:
602 ft.

EDR Historical Auto Stations:

Name:	DELGAUDIO THOS
Year:	1950
Type:	AUTOMOBILE REPAIRING
Name:	DELS COLLISION SERVICE
Year:	1955
Type:	AUTOMOBILE REPAIRING
Name:	DELS COLLISION SERVICE AUTO REPR
Year:	1960
Type:	AUTOMOBILE REPAIRING

Z120
East
1/8-1/4
0.249 mi.
1317 ft.

SLOAN JAS AUTO REPR
261 CAROLINA ST
BUFFALO, NY

Site 2 of 2 in cluster Z

EDR US Hist Auto Stat **1014536961**
N/A

Relative:
Higher

Actual:
608 ft.

EDR Historical Auto Stations:

Name:	SLOAN JAS AUTO REPR
Year:	1935
Type:	AUTOMOBILE REPAIRING
Name:	SLOAN JAS AUTO REPR
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	DENITENDE CHAS AUTO REPR
Year:	1946
Type:	AUTOMOBILE REPAIRING
Name:	PAGANO CARMIN C AUTO REPR
Year:	1950
Type:	AUTOMOBILE REPAIRING

AA121
SE
1/8-1/4
0.250 mi.
1319 ft.

WILLIAMS TRUCKING CO
31 PROSPECT PL
BUFFALO, NY

Site 2 of 2 in cluster AA

RCRA NonGen / NLR **1000833440**
FINDS **NYD987015047**

Relative:
Higher

Actual:
602 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	WILLIAMS TRUCKING CO
Facility address:	31 PROSPECT PL BUFFALO, NY 142012364
EPA ID:	NYD987015047
Mailing address:	PROSPECT PL BUFFALO, NY 142012364
Contact:	WINOGENE WILLIAMS
Contact address:	PROSPECT PL

WILLIAMS TRUCKING CO (Continued) **1000833440**

BUFFALO, NY 142012364
Contact country: US
Contact telephone: (716) 852-7539
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: WINOGENE WILLIAMS
Owner/operator address: 31 PROSPECT PL
BUFFALO, NY 14201
Owner/operator country: US
Owner/operator telephone: (716) 852-7539
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: WINOGENE WILLIAMS
Owner/operator address: 31 PROSPECT PL
BUFFALO, NY 14201
Owner/operator country: US
Owner/operator telephone: (716) 852-7539
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: WILLIAMS TRUCKING CO
Classification: Not a generator, verified

Date form received by agency: 08/10/1992
Facility name: WILLIAMS TRUCKING CO
Classification: Not a generator, verified

Violation Status: No violations found

WILLIAMS TRUCKING CO (Continued) **1000833440**

FINDS:

Registry ID: 110004495207

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Y122 **ADA PROPERTIES, INC.** **LTANKS** **U003318589**
SE **211 NIAGARA STREET** **UST** **N/A**
1/4-1/2 **BUFFALO, NY 14201** **MANIFEST**
0.251 mi. **NY Spills**
1325 ft. **Site 2 of 2 in cluster Y**

Relative:
Higher

Actual:
598 ft.

LTANKS:

Site ID:	253283
Spill Number/Closed Date:	9402191 / 8/5/1996
Spill Date:	1/1/1994
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	1502
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	5/13/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	9/7/1994
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	5/17/1994
Spill Record Last Update:	8/8/1996
Spiller Name:	Not reported
Spiller Company:	SUN COMPANY
Spiller Address:	301 WEST HIAWATHA BLVD.
Spiller City,St,Zip:	SYRACUSE, NY 13204
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	207494
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RMC"05/23/94: RMC/LETTER RD 6/15/94.06/09/94: RMC/SITE WORK NO YET BEGUN, RESPONCE TO PREVIOUS LETTER DUE 6/30/94.07/20/94: RMC/FILE WORK TO BEGIN 8/8/94. 08/25/94: RMC/SITE WORK NOT YET BEGUN, REINSPECT 9/15/94.09/07/94: RMC/KEN/SITE DON SEYMORE,MATRIX/PHONE

ADA PROPERTIES, INC. (Continued) **U003318589**

SIGNIFICANT SHEEN ON PIT WATER AND CONTAMINATED SOIL, SUN TO DECIDE ON DIG AND DUMP OR REMEDIATION,.09/08/94: RMC/DON SEYMORE,MATRIX/PHONE SUN WILL ATTEMPT TO DIG TO CLEAN, REINSPECT 9/11/94.10/01/94: RMC/SITE SOIL REMOVED, SAMPLES TAKEN, RESULTS DUE 11/30/94: REINSPECT 9/11/94.10/25/94: RMC/FILE WORK COMPLETE, REPORT DUE 12/30/94.01/24/95: RMC/BENDER/PHONE INITIAL REPORT INDICATES FURTHER ASSESMENT NEEDED, TO DO THREE WELL STUDY, REPORT DUE 3/30/95.03/29/95: RMC/LETTER RESPONSE DUE 5/1/95.04/19/95: RMC/SUN MEETING TOOK SAMPLES 1/17/95. REPORT TO FOLLOW, DUE 5/30/95.07/13/95: RMC/RECEIVED REPORT, SENT QUATERLY MONITORING LETTER, RESULTS DUE 9/30/95.10/95 SUN MEETING QUATERLY ANALYSIS DUE 12/30/9511/16/95 RMC/FILE RECEIVED9/6/95 SAMPLING REPORT,EXCEEDANCES OVER 1PPM IN MW1+MW2,NO EXCEEDANCES IN MW3+MW4,NEXT ROUND DUE 3/1/96 02/26/96 RMC/FILE RECEIVED QUATERLY ANALYSIS, EXCEEDANCES, NEXT ROUND DUE 4/30/9604/23/96 RMC/SUN MEETING TO USE ORC IN WELLS, NEXT ROUND DUE 5/30/9605/15/96 RMC/FILE RECEIVED REPORT, BTEX LEVELS DOWN, MTBE STILL HIGH, NEXT ROUND DUE 8/30/9608/04/96 RMC/FILE RECEIVED QUATERLY REPORT, CONTAMINANT LEVELS CONTINUE TO DECLINE, SITE TO BE MADE INACTIVE, LETTER, INACTIVE

Remarks: REPORT & TESTING FOR FACILITY UPGRADE SHOWS CONTAMINATION.

Material:

Site ID:	253283
Operable Unit ID:	995864
Operable Unit:	01
Material ID:	385933
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	253283
Spill Tank Test:	1542724
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

UST:

Id/Status:	9-500534 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	2014/02/19
UTM X:	183013.00727999999

ADA PROPERTIES, INC. (Continued) **U003318589**

UTM Y: 4755954.2740799999
Site Type: Retail Gasoline Sales

Affiliation Records:

Site Id: 54747
Affiliation Type: On-Site Operator
Company Name: ADA PROPERTIES, INC.
Contact Type: Not reported
Contact Name: YONNAS Y. GHIRMATZION
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: LDGOMEZ
Date Last Modified: 2/19/2009

Site Id: 54747
Affiliation Type: Emergency Contact
Company Name: ADA PROPERTIES, INC.
Contact Type: Not reported
Contact Name: YONNAS Y. GHIRMATZION
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (716) 400-5300
EMail: Not reported
Fax Number: Not reported
Modified By: LDGOMEZ
Date Last Modified: 2/19/2009

Site Id: 54747
Affiliation Type: Facility Owner
Company Name: ADA PROPERTIES, INC.
Contact Type: PRESIDENT
Contact Name: YONNAS Y. GHIRMATZION
Address1: 211 NIAGARA STREET
Address2: Not reported
City: BUFFALO
State: NY
Zip Code: 14201
Country Code: 001
Phone: (716) 400-5300
EMail: GHIRMATZION@YAHOO.COM
Fax Number: Not reported
Modified By: LDGOMEZ
Date Last Modified: 2/19/2009

Site Id: 54747
Affiliation Type: Mail Contact
Company Name: ADA PROPERTIES, INC.

ADA PROPERTIES, INC. (Continued) **U003318589**

Contact Type:	PRESIDENT
Contact Name:	YONNAS Y. GHIRMATZION
Address1:	211 NIAGARA STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14201
Country Code:	001
Phone:	(716) 400-5300
EMail:	GHIRMATZION@YAHOO.COM
Fax Number:	Not reported
Modified By:	LDGOMEZ
Date Last Modified:	2/19/2009

Tank Info:

Tank Number:	004
Tank ID:	171224
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	10000
Install Date:	09/01/1994
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	21
Date Test:	09/18/2009
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TJWALKER
Last Modified:	09/13/2012

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
J01 - Dispenser - Pressurized Dispenser

Tank Number:	005
Tank ID:	171225
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	10000

ADA PROPERTIES, INC. (Continued) **U003318589**

Install Date: 09/01/1994
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 21
Date Test: 09/18/2009
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TJWALKER
Last Modified: 09/13/2012

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I03 - Overfill - Automatic Shut-Off
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin

Tank Number: 006
Tank ID: 171226
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 10000
Install Date: 09/01/1994
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 21
Date Test: 09/18/2009
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TJWALKER
Last Modified: 09/13/2012

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)

ADA PROPERTIES, INC. (Continued) **U003318589**

G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm

Tank Number:	1
Tank ID:	168798
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	12/01/1978
Date Tank Closed:	09/01/1994
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	18
Date Test:	12/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LJJUDD
Last Modified:	12/20/2004

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)

Tank Number:	2
Tank ID:	168799
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	12/01/1978
Date Tank Closed:	09/01/1994
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	18
Date Test:	12/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported

ADA PROPERTIES, INC. (Continued) **U003318589**

Modified By: LJJUDD
Last Modified: 12/20/2004

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None

Tank Number: 3
Tank ID: 168800
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 6000
Install Date: 12/01/1978
Date Tank Closed: 09/01/1994
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 18
Date Test: 12/01/1993
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: LJJUDD
Last Modified: 12/20/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser

NY MANIFEST:
EPA ID: NYD000703447
Country: USA
Mailing Name: SUN CO / ATLANTIC 346 1750
Mailing Contact: SUN CO / ATLANTIC 346 1750
Mailing Address: PO BOX 119
Mailing Address 2: Not reported
Mailing City: DAYTON
Mailing State: OH
Mailing Zip: 45404
Mailing Zip4: Not reported
Mailing Country: USA

ADA PROPERTIES, INC. (Continued) **U003318589**

Mailing Phone: 800-545-7776

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	1202857
DER Facility ID:	419995
Facility Type:	ER
Site ID:	465641
DEC Region:	9
Spill Date:	6/22/2012
Spill Number/Closed Date:	1202857 / 7/31/2012
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	6/22/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/22/2012
Spill Record Last Update:	7/31/2012
Spiller Name:	Not reported
Spiller Company:	YONNI GHIRZMATION
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	6/22/12 FG SITE INSPECTION. NATURE'S WAY ON SITE REMOVING TWO 550 GALLON UST'S FROM SITE. ONE IS A FORMER WASTE OIL AND THE OTHER FORMER FUEL OIL UST'S. DAN WIK WITH NATURE'S WAY CHECKED THE CITY OF BUFFALO FIRE RECORDS AND CONFIRMED THE LOCATION. THEY WERE DISCOVERED WHEN EXCAVATION WAS BEING COMPLETED ON SITE FOR BUILDING CONSTRUCTION. THE UST'S AND AS MUCH CONTAMINATION AS IS POSSIBLE WILL BE REMOVED AND DISPOSED OF. EXCAVATION SAMPLES WILL BE COLLECTED AND A REPORT OF FINDINGS WILL BE PROVIDED.6/25/12 FG SITE INSPECTION. BOTH UST'S WERE REMOVED AND AS MUCH CONTAMINATION AS POSSIBLE AS WELL. UTILITIES ARE PRESENT IN THE EXCAVATION AND IT IS BETWEEN BOTH THE STORE AND THE PUMPS SO THE WORK IS TIGHT AND DIFFICULT. EXCAVATION SAMPLES WILL BE COLLECTED. THE SOIL IS BEING STAGED ON SITE FOR LATER DISPOSAL.7/31/12 NATURE'S WAY PROVIDED THE CLOSURE REPORT FOR THE TWO UST'S DISCOVERED IN FRONT OF THE MINI MART. THE TWO UST'S WERE REMOVED CUT OPEN AND CLEANED OUT. 475 GALLONS OF LIQUID TANK CONTENTS WERE DISPOSED AT INDUSTRIAL OIL. 19.94 TONS OF KEROSENE AND WASTE OIL IMPACTED SOIL WAS DISPOSED AT THE WASTE

ADA PROPERTIES, INC. (Continued) **U003318589**

	MANAGEMENT LANDFILL IN CHAFFEE. 6 DRUMS OF TANK CLEANINGS WERE DISPOSED AT INDUSTRIAL OIL. DISPOSAL RECEIPTS WERE PROVIDED AND THE EXCAVATION SAMPLES ARE ALL BELOW CP51 LEVELS. NO FURTHER WORK IS REQUIRED. THE SITE IS CLOSED.SPILL 1202319 WHICH WAS OPENED FOR THIS PROPERTY AT APPROXIMATELY THE SAME TIME HAS BEEN MADE INACTIVE. THE INVESTIGATION WAS COMPLETED ADJACENT TO THE EXISTING UST'S AND CONTAMINATION SLIGHTLY ABOVE CP51 LEVELS WAS DETECTED.
Remarks:	WHILE EXCAVATING FOR BUILDING ADDITION, DISCOVERED TWO 550 GAL UST'S, ONE WASTE OIL AND FUEL OIL. DISCOVERED PETROLEUM CONTAMINATION. NATURE'S WAY WILL REMOVE UST'S AND CONTAMINATION.

Material:

Site ID:	465641
Operable Unit ID:	1215657
Operable Unit:	01
Material ID:	2213798
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1202319
DER Facility ID:	207494
Facility Type:	ER
Site ID:	465080
DEC Region:	9
Spill Date:	5/30/2012
Spill Number/Closed Date:	1202319 / 7/25/2012
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	6/7/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/7/2012
Spill Record Last Update:	7/31/2012
Spiller Name:	Not reported
Spiller Company:	Not reported

ADA PROPERTIES, INC. (Continued) **U003318589**

Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Company: Not reported
Contact Name: YONNA GHIRZMATION
Contact Phone: (716) 400-5300
DEC Memo: 6/7/12 EMPIRE WILL PROVIDE THE PHASE II FOR THE SITE.6/18/12 EMPIRE PROVIDED THE 6/8/12 PHASE II FOR THE SITE. 7 BORINGS WERE ADVANCED ON 5/29/12. 6 SOIL SAMPLES AND 4 GW SAMPLES WERE COLLECTED. TOTAL STARS LIST 8260 PPB: SOIL DP1 ND, DP3 22,486, DP4 ND, DP5 ND, DP6 335.8, DP7 NDGW TW1 198.96, MW1 14.3, MW2 .738, MW3 ND.6/20/12 FG REQUEST TO COMPLETE ADDITIONAL SUBSURFACE INVESTIGATION SENT TO YONNI GHIRMATZION: I have tried several times to forward the electronic copies of the Phase I and II completed on your property but due to the size of the files have been unsuccessful. Please ask the Bank to forward copies to your attention. The soil sample collected from DP3 shows the analytical results to be above the Department's guidance levels in CP51. Because of this, the Department is requiring that you collect additional soil samples to determine the extent of the contamination at that area.7/25/12 FG RECEIVED THE SUBSURFACE INVESTIGATION REPORT FROM EMPIRE. THEY ADVANCED BORINGS AND ANALYZED SAMPLES FROM TWO OF THOSE BORINGS. CONTAMINATION WAS NOT DETECTED ABOVE CP51 GUIDANCE LEVELS. THE DEPARTMENT WILL NOT REQUIRE ANY FURTHER WORK AND WILL MAKE THE SITE INACTIVE DUE TO THE EXCEEDANCE OF CP51 AS NOTED IN THE PHASE II AS NOTED IN THE 6/18/12 ENTRY. THE SITE IS INACTIVE.
Remarks: Soil analysis for phase II shows contamination. Phase II report will be forwarded to FG.

Material:
Site ID: 465080
Operable Unit ID: 1215113
Operable Unit: 01
Material ID: 2213202
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:

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123 NE 1/4-1/2 0.261 mi. 1378 ft.
DEMOLITION SITE
295 MARYLAND STREET
BUFFALO, NY
MANIFEST S104953446
NY Spills N/A
BROWNFIELDS

Relative: Higher

Actual: 617 ft.

NY MANIFEST:
EPA ID: NYD982790388
Country: USA
Mailing Name: PENN ADVERTISING
Mailing Contact: PENN ADVERTISING
Mailing Address: 295 MARYLAND STREET

DEMOLITION SITE (Continued) **S104953446**

Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14201
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 716-852-5791

NY MANIFEST:
No Manifest Records Available

SPILLS:
Facility ID: 0075664
DER Facility ID: 256712
Facility Type: ER
Site ID: 318487
DEC Region: 9
Spill Date: 3/1/2001
Spill Number/Closed Date: 0075664 / 4/3/2001
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 1502
Investigator: JFOTTO
Referred To: Not reported
Reported to Dept: 3/15/2001
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: 3/15/2001
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 3/15/2001
Spill Record Last Update: 4/5/2001
Spiller Name: Not reported
Spiller Company: LAMAR ADVERTIZING
Spiller Address: 33 EXCHANGE ST
Spiller City,St,Zip: BUFFALO, NY 14203-
Spiller Company: 001
Contact Name: ELVY BENTON
Contact Phone: (716) 622-1470
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JFO"03/15/01 JFO ON SITE, NO ONE AVAILABLE. CALL TO ELVY BENTON OF AFI ENVIRONMENTAL 283-7645 CELL PH 622-1470. HE COLLECTED SOIL SAMPLES FROM THE BOTTOM OF THE EXCAVATION AND THE 4 SIDEWALLS. ANALYZE FOR 8021 AND 8270 STARS. THE CONTAMINATED SOIL WAS ALSO SAMPLED FOR DISPOSAL. RESULTS TO FOLLOW.03/19/01 JFO RECEIVED ANALYTICAL RESULTS FOR THE SOIL PILE. THE PILE IS NON HAZARDOUS AND WILL BE DISPOSED. THE OTHER ANALYTICAL TO FOLLOW.04/02/01 JFO RECEIVED THE CLOSURE REPORT WITH THE ANALYTICAL AND DISPOSAL RECEIPTS. THE ANALTICAL IS BELOW TAGMS. NO FURTHER ACTION REQUIRED.closure letter sent 4/5/01 to lamar and cc: cambria

DEMOLITION SITE (Continued) **S104953446**

contracting.CLOSED
Remarks: DISCOVERED 100-GAL. UST DURING DEMOLITION PROJECT. ODORS IN EXCAVATION DURING REMOVAL OF THAT TANK. SAMPLING WAS DONE ON THE EXCAVATION.

Material:
Site ID: 318487
Operable Unit ID: 837039
Operable Unit: 01
Material ID: 539246
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Facility ID: 0375151
DER Facility ID: 141238
Facility Type: ER
Site ID: 167620
DEC Region: 9
Spill Date: 1/1/2003
Spill Number/Closed Date: 0375151 / 6/23/2003
Spill Cause: Housekeeping
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 1502
Investigator: JFOTTO
Referred To: Not reported
Reported to Dept: 6/13/2003
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: 6/23/2003
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 6/13/2003
Spill Record Last Update: 6/30/2003
Spiller Name: Not reported
Spiller Company: NONE
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was

DEMOLITION SITE (Continued) **S104953446**

"JFO"6/16/03 FG SITE INSPECTION. THE LOT IS VACANT AND THERE IS NO SPILLAGE NOTED.6/23/03 JFO SITE INSPECTION. THE LOT IS VACANT AND NO SPILLAGE OR DRUMS NOTED ON THE PROPERTY ON MARYLAND OR WEST AVE. NO FURTHER ACTION REQUIRED.CLOSED6/23/03 FG CALLED KATE MEYER OF SAM HOYT'S OFFICE BUT SHE WAS NOT IN. LEFT A MESSAGE FOR HER TO RETURN CALL. 6/24/03 FG CALLED KATE MEYER AGAIN BUT SHE WAS NOT IN. TRIED TO LEAVE THE INFORMATION THAT THERE IS NO PROBLEM ON THE PROPERTY BUT WAS TOLD I WOULD HAVE TO SPEAK TO MS. MEYER.6/30/03 RECEIVED LETTER FROM ASSEMBLYMAN SAM HOYT'S OFFICE THANKING DEC FOR THEIR ATTENTION TO THIS MATTER AND INDICATING THAT MS. MEYER WOULD BE CONTACTING US FOR FOLLOW-UP INFORMATION. KAB FAXED COPY OF SPILL REPORT TO MS. MEYER.

Remarks: caller to hoyts office claims that company left a mess when they moved out. waste oil and other material on the property

Material:

Site ID:	167620
Operable Unit ID:	884016
Operable Unit:	01
Material ID:	494350
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	167620
Operable Unit ID:	884016
Operable Unit:	01
Material ID:	494349
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

BROWNFIELDS:

Program:	BCP
Site Code:	445376
Site Description:	Location: The 295 Maryland Street site is located in a residential area on the west side of the City of Buffalo. The site is bound by Maryland Street to the northwest and West Avenue to the southwest. Site Features: The main site features include two vacant parcels totaling 1.5 acres: 295 Maryland Street (1.252 acres), and 129 West Avenue (0.243 acre). The project site is generally flat and partially vegetated. The site surrounds one residential property on three sides. Current Zoning and Land Use: The site is currently inactive,

DEMOLITION SITE (Continued) **S104953446**

and zoned for commercial/residential use. The surrounding parcels are mainly residential. Past Use of the Site: Until 2000, the site was used for manufacturing commercial billboards, dating back to the 1920s. Prior uses that appear to have led to site contamination include three UST's, vehicle maintenance, and use and storage of paints, adhesives, solvents, and other flammables. During past operations, three on-site USTs were removed: a 550 gallon gasoline UST (removed 1974), a 4000 gallon gasoline UST (removed in 1997), and a 100 gallon UST remover during facility decommissioning. Based on the 2000 Phase I and 2001 Phase II investigations, on-site soils were noted with SVOCs and inorganics above Soil Cleanup Objective's (SCOs) for restricted residential use. A 2010 supplemental groundwater investigation noted Volatile Organic Compounds (VOCs) and pesticides in groundwater above NYS Groundwater Quality Standards. On 7/14/11, The Department signed the Brownfield Cleanup Agreement for this site.Site Geology and Hydrology: The upper four foot consists of topsoil, lean clay, and silt fill materials, underlain by up to 22 feet of native red-brown lean clay to silty sand. The depth to groundwater is 15-20 feet below ground surface (fbgs) and flow is to the southwest.

Env Problem: Nature and Extent of Contamination:Based upon investigations conducted to date, the primary contaminants of concern include SVOCs, VOCs, and inorganics.Soil - SVOCs found in exceedance of restricted residential soil cleanup objectives (SCOs) were found primarily in the central portion of 295 Maryland Street, and include: Benzo(a)anthracene @ 17 ppm, Benzo(b)fluoranthene @ 19 ppm (1 ppm SCO), and benzo(a)pyrene @ 13 ppm (in exceedance of the restricted residential SCO of 1 ppm), Indeno (1,2,3-cd)pyrene @ 7 ppm (0.5 ppm SCO), and chrysene @ 14 ppm (3.9 ppm SCO). Inorganics found in exceedance of restricted residential SCOs included arsenic @ 23 ppm (16 ppm SCO), cadmium @ 4.2 ppm (4.3 ppm SCO), lead @ 8,160 ppm (400 ppm SCO), and mercury @ 1 ppm (0.81 ppm SCO). In general, concentrations were higher in the samples from 0-0.5 feet below ground surface (fbgs) as compared to the deeper samples (greater than 0.5 fbgs)Groundwater - Petroleum based VOCs found in exceedance of NYSDEC Groundwater Quality Standards (GWQS) include benzene @ 38 ppb (1 ppb GQS), toluene @ 18 ppb (5 ppb GWQS), total xylenes @ 97 ppb (5 ppb GWQS) and pesticides alpha-BHC @ 0.18 ppb (0.01 ppb GWQS).

Health Problem: Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

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124 NNW 1/4-1/2 0.310 mi. 1635 ft.

Relative: Higher

Actual: 612 ft.

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE **INST CONTROL** **S110043634**
517 NIAGARA STREET **BROWNFIELDS** **N/A**
BUFFALO, NY 14201

INST CONTROL:

Site Code:	388853
Control Name:	Site Management Plan
HW Code:	C915223
Control Code:	32
Control Type:	INST
Dt record added:	12/14/2009
Dt rec updated:	08/06/2010
Updated By:	EMZUK
Site Code:	388853

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

Site Description: Location: The Niagara Street and Pennsylvania Avenue Site is located in the City of Buffalo, Erie County, New York. The Site is approximately 0.27 acres and located on the southeast corner of Niagara Street and Pennsylvania Avenue, and bordered by Reynolds Alley, Pennsylvania Avenue, Niagara Street and the parking lot for the retail store that has been constructed on the Site.

Site Features: The Site included an abandoned gasoline station/auto motive repair building, abandoned underground storage tanks (USTs), product dispensers and one in-ground hydraulic lift on the property.

Current Zoning/Use(s): The site has been redeveloped and is zoned fo r commercial use. The surrounding parcels are currently used for a combination of commercial and residential use. The nearest residential area is 30 feet southeast on Niagara Street.

Historical Use(s): A Phase I Environmental Site Assessment (ESA) Re port completed for the Site in 2007 identified several environmental concerns due to the potential for chemical and/or petroleum product releases associated with historic use of the Site as a gasoline station and automotive repair shop.

The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work P lan was approved by the NYSDEC in November 2008.

An Interim Remedial Measure was completed in 2009 removing five unde rground storage tanks (USTs), piping, and impacted soils. The Remedial Investigation field activities were also performed in 2009.

A Remedial Investigation/Alternatives Analysis Report/Interim Remedi al Measures Report was submitted and made available for public review in the Fall 2009.

Certificate of Completion was issued on December 24, 2009. Site Geo logy and Hydrogeology: The site is generally flat lying. The geology of the site is described as fill materials consisting of silt, sand and gravel with varying amounts of brick fragments ranging from 1.5 feet to 5 feet below ground surface. Underlying the fill is native dense brown/reddish brown silty clay to depths up to 18 feet below ground surface. Shallow groundwater ranges from 7 to 8.5 feet below ground surface. Groundwater flow direction is to the west.

Env Problem: Nature and Extent of Contamination:

Prior to Remediation: Based upon investigations conducted to date, the primary contaminants of concern at the site included semi-volatile organic compound (SVOCs) dibenzo (a,h) anthracene, benzo (b) fluoranthene and volatile organic compounds (VOCs) xylene, benzene, and methyl tert-butyl ether (MTBE).

Remedial measures included demolition of the former service station building and five underground storage tanks (USTs).

Several VOCs such as benzene, MTBE, and acetone were detected in gro undwater above the groundwater quality standards on the western portion of the site; down gradient of the former underground storage tanks (USTs). Benzene was detected at a concentration of 990 part per billion (ppb), exceeding the groundwater quality standard of 1 ppb. Benzene was also detected in groundwater at concentrations slightly exceeding the groundwater quality standards in the southeast portion of the site (cross gradient of the former USTs).

Post-Remediation: Remediation at the site is complete.

Health Problem: There are some residual impacts from former gas station and auto repair operations in subsurface soil under the existing sidewalk at

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

the site along Niagara Street. Contact with this soil is unlikely since it is below the surface. Groundwater contains low-level gasoline related compounds at the site near Niagara Street, but exposure to contaminants in groundwater is unlikely since the site and surrounding area are served public water. Since gasoline related compounds can evaporate from groundwater or soil and enter soil vapor, this potential is being evaluated to make sure that soil vapor intrusion is not a concern for the commercial building under development at the site.

Site Code: 388853
Control Name: Monitoring Plan
HW Code: C915223
Control Code: 31
Control Type: INST
Dt record added: 12/14/2009
Dt rec updated: 08/06/2010
Updated By: EMZUK
Site Code: 388853
Site Description: Location: The Niagara Street and Pennsylvania Avenue Site is located in the City of Buffalo, Erie County, New York. The Site is approximately 0.27 acres and located on the southeast corner of Niagara Street and Pennsylvania Avenue, and bordered by Reynolds Alley, Pennsylvania Avenue, Niagara Street and the parking lot for the retail store that has been constructed on the Site.

Site Features: The Site included an abandoned gasoline station/auto motive repair building, abandoned underground storage tanks (USTs), product dispensers and one in-ground hydraulic lift on the property.

Current Zoning/Use(s): The site has been redeveloped and is zoned fo r commercial use. The surrounding parcels are currently used for a combination of commercial and residential use. The nearest residential area is 30 feet southeast on Niagara Street.

Historical Use(s): A Phase I Environmental Site Assessment (ESA) Re port completed for the Site in 2007 identified several environmental concerns due to the potential for chemical and/or petroleum product releases associated with historic use of the Site as a gasoline station and automotive repair shop.

The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work P lan was approved by the NYSDEC in November 2008.

An Interim Remedial Measure was completed in 2009 removing five unde rground storage tanks (USTs), piping, and impacted soils. The Remedial Investigation field activities were also performed in 2009.

A Remedial Investigation/Alternatives Analysis Report/Interim Remedi al Measures Report was submitted and made available for public review in the Fall 2009.

Certificate of Completion was issued on December 24, 2009. Site Geo logy and Hydrogeology: The site is generally flat lying. The geology of the site is described as fill materials consisting of silt, sand and gravel with varying amounts of brick fragments ranging from 1.5 feet to 5 feet below ground surface. Underlying the fill is native dense brown/reddish brown silty clay to depths up to 18 feet below ground surface. Shallow groundwater ranges from 7 to 8.5 feet below ground surface. Groundwater flow direction is to the west.

Env Problem: Nature and Extent of Contamination:

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

Prior to Remediation: Based upon investigations conducted to date, the primary contaminants of concern at the site included semi-volatile organic compound (SVOCs) dibenzo (a,h) anthracene, benzo (b) fluoranthene and volatile organic compounds (VOCs) xylene, benzene, and methyl tert-butyl ether (MTBE).
Remedial measures included demolition of the former service station building and five underground storage tanks (USTs).
Several VOCs such as benzene, MTBE, and acetone were detected in gro undwater above the groundwater quality standards on the western portion of the site; down gradient of the former underground storage tanks (USTs). Benzene was detected at a concentration of 990 part per billion (ppb), exceeding the groundwater quality standard of 1 ppb. Benzene was also detected in groundwater at concentrations slightly exceeding the groundwater quality standards in the southeast portion of the site (cross gradient of the former USTs).
Post-Remediation: Remediation at the site is complete.

Health Problem: There are some residual impacts from former gas station and auto repair operations in subsurface soil under the existing sidewalk at the site along Niagara Street. Contact with this soil is unlikely since it is below the surface. Groundwater contains low-level gasoline related compounds at the site near Niagara Street, but exposure to contaminants in groundwater is unlikely since the site and surrounding area are served public water. Since gasoline related compounds can evaporate from groundwater or soil and enter soil vapor, this potential is being evaluated to make sure that soil vapor intrusion is not a concern for the commercial building under development at the site.

Site Code: 388853
Control Name: IC/EC Plan
HW Code: C915223
Control Code: 34
Control Type: INST
Dt record added: 12/14/2009
Dt rec updated: 08/06/2010
Updated By: EMZUK
Site Code: 388853
Site Description: Location: The Niagara Street and Pennsylvania Avenue Site is located in the City of Buffalo, Erie County, New York. The Site is approximately 0.27 acres and located on the southeast corner of Niagara Street and Pennsylvania Avenue, and bordered by Reynolds Alley, Pennsylvania Avenue, Niagara Street and the parking lot for the retail store that has been constructed on the Site.
Site Features: The Site included an abandoned gasoline station/auto motive repair building, abandoned underground storage tanks (USTs), product dispensers and one in-ground hydraulic lift on the property.
Current Zoning/Use(s): The site has been redeveloped and is zoned fo r commercial use. The surrounding parcels are currently used for a combination of commercial and residential use. The nearest residential area is 30 feet southeast on Niagara Street.
Historical Use(s): A Phase I Environmental Site Assessment (ESA) Re port completed for the Site in 2007 identified several environmental concerns due to the potential for chemical and/or petroleum product

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

releases associated with historic use of the Site as a gasoline station and automotive repair shop.
The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work P lan was approved by the NYSDEC in November 2008.
An Interim Remedial Measure was completed in 2009 removing five unde rground storage tanks (USTs), piping, and impacted soils. The Remedial Investigation field activities were also performed in 2009.
A Remedial Investigation/Alternatives Analysis Report/Interim Remedi al Measures Report was submitted and made available for public review in the Fall 2009.
Certificate of Completion was issued on December 24, 2009. Site Geo logy and Hydrogeology: The site is generally flat lying. The geology of the site is described as fill materials consisting of silt, sand and gravel with varying amounts of brick fragments ranging from 1.5 feet to 5 feet below ground surface. Underlying the fill is native dense brown/reddish brown silty clay to depths up to 18 feet below ground surface. Shallow groundwater ranges from 7 to 8.5 feet below ground surface. Groundwater flow direction is to the west.

Env Problem: Nature and Extent of Contamination:
Prior to Remediation: Based upon investigations conducted to date, the primary contaminants of concern at the site included semi-volatile organic compound (SVOCs) dibenzo (a,h) anthracene, benzo (b) fluoranthene and volatile organic compounds (VOCs) xylene, benzene, and methyl tert-butyl ether (MTBE).
Remedial measures included demolition of the former service station building and five underground storage tanks (USTs).
Several VOCs such as benzene, MTBE, and acetone were detected in gro undwater above the groundwater quality standards on the western portion of the site; down gradient of the former underground storage tanks (USTs). Benzene was detected at a concentration of 990 part per billion (ppb), exceeding the groundwater quality standard of 1 ppb. Benzene was also detected in groundwater at concentrations slightly exceeding the groundwater quality standards in the southeast portion of the site (cross gradient of the former USTs).
Post-Remediation: Remediation at the site is complete.

Health Problem: There are some residual impacts from former gas station and auto repair operations in subsurface soil under the existing sidewalk at the site along Niagara Street. Contact with this soil is unlikely since it is below the surface. Groundwater contains low-level gasoline related compounds at the site near Niagara Street, but exposure to contaminants in groundwater is unlikely since the site and surrounding area are served public water. Since gasoline related compounds can evaporate from groundwater or soil and enter soil vapor, this potential is being evaluated to make sure that soil vapor intrusion is not a concern for the commercial building under development at the site.

Site Code: 388853
Control Name: Environmental Easement
HW Code: C915223
Control Code: J
Control Type: INST
Dt record added: 12/14/2009
Dt rec updated: 08/06/2010
Updated By: EMZUK
Site Code: 388853

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

Site Description: Location: The Niagara Street and Pennsylvania Avenue Site is located in the City of Buffalo, Erie County, New York. The Site is approximately 0.27 acres and located on the southeast corner of Niagara Street and Pennsylvania Avenue, and bordered by Reynolds Alley, Pennsylvania Avenue, Niagara Street and the parking lot for the retail store that has been constructed on the Site.

Site Features: The Site included an abandoned gasoline station/auto motive repair building, abandoned underground storage tanks (USTs), product dispensers and one in-ground hydraulic lift on the property.

Current Zoning/Use(s): The site has been redeveloped and is zoned fo r commercial use. The surrounding parcels are currently used for a combination of commercial and residential use. The nearest residential area is 30 feet southeast on Niagara Street.

Historical Use(s): A Phase I Environmental Site Assessment (ESA) Re port completed for the Site in 2007 identified several environmental concerns due to the potential for chemical and/or petroleum product releases associated with historic use of the Site as a gasoline station and automotive repair shop.

The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work P lan was approved by the NYSDEC in November 2008.

An Interim Remedial Measure was completed in 2009 removing five unde rground storage tanks (USTs), piping, and impacted soils. The Remedial Investigation field activities were also performed in 2009.

A Remedial Investigation/Alternatives Analysis Report/Interim Remedi al Measures Report was submitted and made available for public review in the Fall 2009.

Certificate of Completion was issued on December 24, 2009. Site Geo logy and Hydrogeology: The site is generally flat lying. The geology of the site is described as fill materials consisting of silt, sand and gravel with varying amounts of brick fragments ranging from 1.5 feet to 5 feet below ground surface. Underlying the fill is native dense brown/reddish brown silty clay to depths up to 18 feet below ground surface. Shallow groundwater ranges from 7 to 8.5 feet below ground surface. Groundwater flow direction is to the west.

Env Problem: Nature and Extent of Contamination:

Prior to Remediation: Based upon investigations conducted to date, the primary contaminants of concern at the site included semi-volatile organic compound (SVOCs) dibenzo (a,h) anthracene, benzo (b) fluoranthene and volatile organic compounds (VOCs) xylene, benzene, and methyl tert-butyl ether (MTBE).

Remedial measures included demolition of the former service station building and five underground storage tanks (USTs).

Several VOCs such as benzene, MTBE, and acetone were detected in gro undwater above the groundwater quality standards on the western portion of the site; down gradient of the former underground storage tanks (USTs). Benzene was detected at a concentration of 990 part per billion (ppb), exceeding the groundwater quality standard of 1 ppb. Benzene was also detected in groundwater at concentrations slightly exceeding the groundwater quality standards in the southeast portion of the site (cross gradient of the former USTs).

Post-Remediation: Remediation at the site is complete.

Health Problem: There are some residual impacts from former gas station and auto repair operations in subsurface soil under the existing sidewalk at

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

the site along Niagara Street. Contact with this soil is unlikely since it is below the surface. Groundwater contains low-level gasoline related compounds at the site near Niagara Street, but exposure to contaminants in groundwater is unlikely since the site and surrounding area are served public water. Since gasoline related compounds can evaporate from groundwater or soil and enter soil vapor, this potential is being evaluated to make sure that soil vapor intrusion is not a concern for the commercial building under development at the site.

Site Code: 388853
Control Name: Landuse Restriction
HW Code: C915223
Control Code: 25
Control Type: INST
Dt record added: 12/14/2009
Dt rec updated: 08/06/2010
Updated By: EMZUK
Site Code: 388853
Site Description: Location: The Niagara Street and Pennsylvania Avenue Site is located in the City of Buffalo, Erie County, New York. The Site is approximately 0.27 acres and located on the southeast corner of Niagara Street and Pennsylvania Avenue, and bordered by Reynolds Alley, Pennsylvania Avenue, Niagara Street and the parking lot for the retail store that has been constructed on the Site.

Site Features: The Site included an abandoned gasoline station/auto motive repair building, abandoned underground storage tanks (USTs), product dispensers and one in-ground hydraulic lift on the property.

Current Zoning/Use(s): The site has been redeveloped and is zoned fo r commercial use. The surrounding parcels are currently used for a combination of commercial and residential use. The nearest residential area is 30 feet southeast on Niagara Street.

Historical Use(s): A Phase I Environmental Site Assessment (ESA) Re port completed for the Site in 2007 identified several environmental concerns due to the potential for chemical and/or petroleum product releases associated with historic use of the Site as a gasoline station and automotive repair shop.

The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work P lan was approved by the NYSDEC in November 2008.

An Interim Remedial Measure was completed in 2009 removing five unde rground storage tanks (USTs), piping, and impacted soils. The Remedial Investigation field activities were also performed in 2009.

A Remedial Investigation/Alternatives Analysis Report/Interim Remedi al Measures Report was submitted and made available for public review in the Fall 2009.

Certificate of Completion was issued on December 24, 2009. Site Geo logy and Hydrogeology: The site is generally flat lying. The geology of the site is described as fill materials consisting of silt, sand and gravel with varying amounts of brick fragments ranging from 1.5 feet to 5 feet below ground surface. Underlying the fill is native dense brown/reddish brown silty clay to depths up to 18 feet below ground surface. Shallow groundwater ranges from 7 to 8.5 feet below ground surface. Groundwater flow direction is to the west.

Env Problem: Nature and Extent of Contamination:

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

Prior to Remediation: Based upon investigations conducted to date, the primary contaminants of concern at the site included semi-volatile organic compound (SVOCs) dibenzo (a,h) anthracene, benzo (b) fluoranthene and volatile organic compounds (VOCs) xylene, benzene, and methyl tert-butyl ether (MTBE).
Remedial measures included demolition of the former service station building and five underground storage tanks (USTs).
Several VOCs such as benzene, MTBE, and acetone were detected in gro undwater above the groundwater quality standards on the western portion of the site; down gradient of the former underground storage tanks (USTs). Benzene was detected at a concentration of 990 part per billion (ppb), exceeding the groundwater quality standard of 1 ppb. Benzene was also detected in groundwater at concentrations slightly exceeding the groundwater quality standards in the southeast portion of the site (cross gradient of the former USTs).
Post-Remediation: Remediation at the site is complete.

Health Problem: There are some residual impacts from former gas station and auto repair operations in subsurface soil under the existing sidewalk at the site along Niagara Street. Contact with this soil is unlikely since it is below the surface. Groundwater contains low-level gasoline related compounds at the site near Niagara Street, but exposure to contaminants in groundwater is unlikely since the site and surrounding area are served public water. Since gasoline related compounds can evaporate from groundwater or soil and enter soil vapor, this potential is being evaluated to make sure that soil vapor intrusion is not a concern for the commercial building under development at the site.

Site Code: 388853
Control Name: Ground Water Use Restriction
HW Code: C915223
Control Code: 08
Control Type: INST
Dt record added: 12/14/2009
Dt rec updated: 08/06/2010
Updated By: EMZUK
Site Code: 388853
Site Description: Location: The Niagara Street and Pennsylvania Avenue Site is located in the City of Buffalo, Erie County, New York. The Site is approximately 0.27 acres and located on the southeast corner of Niagara Street and Pennsylvania Avenue, and bordered by Reynolds Alley, Pennsylvania Avenue, Niagara Street and the parking lot for the retail store that has been constructed on the Site.
Site Features: The Site included an abandoned gasoline station/auto motive repair building, abandoned underground storage tanks (USTs), product dispensers and one in-ground hydraulic lift on the property.
Current Zoning/Use(s): The site has been redeveloped and is zoned fo r commercial use. The surrounding parcels are currently used for a combination of commercial and residential use. The nearest residential area is 30 feet southeast on Niagara Street.
Historical Use(s): A Phase I Environmental Site Assessment (ESA) Re port completed for the Site in 2007 identified several environmental concerns due to the potential for chemical and/or petroleum product

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

releases associated with historic use of the Site as a gasoline station and automotive repair shop.
The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work P lan was approved by the NYSDEC in November 2008.
An Interim Remedial Measure was completed in 2009 removing five unde rground storage tanks (USTs), piping, and impacted soils. The Remedial Investigation field activities were also performed in 2009.
A Remedial Investigation/Alternatives Analysis Report/Interim Remedi al Measures Report was submitted and made available for public review in the Fall 2009.
Certificate of Completion was issued on December 24, 2009. Site Geo logy and Hydrogeology: The site is generally flat lying. The geology of the site is described as fill materials consisting of silt, sand and gravel with varying amounts of brick fragments ranging from 1.5 feet to 5 feet below ground surface. Underlying the fill is native dense brown/reddish brown silty clay to depths up to 18 feet below ground surface. Shallow groundwater ranges from 7 to 8.5 feet below ground surface. Groundwater flow direction is to the west.

Env Problem: Nature and Extent of Contamination:
Prior to Remediation: Based upon investigations conducted to date, the primary contaminants of concern at the site included semi-volatile organic compound (SVOCs) dibenzo (a,h) anthracene, benzo (b) fluoranthene and volatile organic compounds (VOCs) xylene, benzene, and methyl tert-butyl ether (MTBE).
Remedial measures included demolition of the former service station building and five underground storage tanks (USTs).
Several VOCs such as benzene, MTBE, and acetone were detected in gro undwater above the groundwater quality standards on the western portion of the site; down gradient of the former underground storage tanks (USTs). Benzene was detected at a concentration of 990 part per billion (ppb), exceeding the groundwater quality standard of 1 ppb. Benzene was also detected in groundwater at concentrations slightly exceeding the groundwater quality standards in the southeast portion of the site (cross gradient of the former USTs).
Post-Remediation: Remediation at the site is complete.

Health Problem: There are some residual impacts from former gas station and auto repair operations in subsurface soil under the existing sidewalk at the site along Niagara Street. Contact with this soil is unlikely since it is below the surface. Groundwater contains low-level gasoline related compounds at the site near Niagara Street, but exposure to contaminants in groundwater is unlikely since the site and surrounding area are served public water. Since gasoline related compounds can evaporate from groundwater or soil and enter soil vapor, this potential is being evaluated to make sure that soil vapor intrusion is not a concern for the commercial building under development at the site.

Site Code: 388853
Control Name: Soil Management Plan
HW Code: C915223
Control Code: 14
Control Type: INST
Dt record added: 12/14/2009
Dt rec updated: 08/06/2010
Updated By: EMZUK
Site Code: 388853

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

Site Description: Location: The Niagara Street and Pennsylvania Avenue Site is located in the City of Buffalo, Erie County, New York. The Site is approximately 0.27 acres and located on the southeast corner of Niagara Street and Pennsylvania Avenue, and bordered by Reynolds Alley, Pennsylvania Avenue, Niagara Street and the parking lot for the retail store that has been constructed on the Site.

Site Features: The Site included an abandoned gasoline station/auto motive repair building, abandoned underground storage tanks (USTs), product dispensers and one in-ground hydraulic lift on the property.

Current Zoning/Use(s): The site has been redeveloped and is zoned fo r commercial use. The surrounding parcels are currently used for a combination of commercial and residential use. The nearest residential area is 30 feet southeast on Niagara Street.

Historical Use(s): A Phase I Environmental Site Assessment (ESA) Re port completed for the Site in 2007 identified several environmental concerns due to the potential for chemical and/or petroleum product releases associated with historic use of the Site as a gasoline station and automotive repair shop.

The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work P lan was approved by the NYSDEC in November 2008.

An Interim Remedial Measure was completed in 2009 removing five unde rground storage tanks (USTs), piping, and impacted soils. The Remedial Investigation field activities were also performed in 2009.

A Remedial Investigation/Alternatives Analysis Report/Interim Remedi al Measures Report was submitted and made available for public review in the Fall 2009.

Certificate of Completion was issued on December 24, 2009. Site Geo logy and Hydrogeology: The site is generally flat lying. The geology of the site is described as fill materials consisting of silt, sand and gravel with varying amounts of brick fragments ranging from 1.5 feet to 5 feet below ground surface. Underlying the fill is native dense brown/reddish brown silty clay to depths up to 18 feet below ground surface. Shallow groundwater ranges from 7 to 8.5 feet below ground surface. Groundwater flow direction is to the west.

Env Problem: Nature and Extent of Contamination:

Prior to Remediation: Based upon investigations conducted to date, the primary contaminants of concern at the site included semi-volatile organic compound (SVOCs) dibenzo (a,h) anthracene, benzo (b) fluoranthene and volatile organic compounds (VOCs) xylene, benzene, and methyl tert-butyl ether (MTBE).

Remedial measures included demolition of the former service station building and five underground storage tanks (USTs).

Several VOCs such as benzene, MTBE, and acetone were detected in gro undwater above the groundwater quality standards on the western portion of the site; down gradient of the former underground storage tanks (USTs). Benzene was detected at a concentration of 990 part per billion (ppb), exceeding the groundwater quality standard of 1 ppb. Benzene was also detected in groundwater at concentrations slightly exceeding the groundwater quality standards in the southeast portion of the site (cross gradient of the former USTs).

Post-Remediation: Remediation at the site is complete.

Health Problem: There are some residual impacts from former gas station and auto repair operations in subsurface soil under the existing sidewalk at

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

the site along Niagara Street. Contact with this soil is unlikely since it is below the surface. Groundwater contains low-level gasoline related compounds at the site near Niagara Street, but exposure to contaminants in groundwater is unlikely since the site and surrounding area are served public water. Since gasoline related compounds can evaporate from groundwater or soil and enter soil vapor, this potential is being evaluated to make sure that soil vapor intrusion is not a concern for the commercial building under development at the site.

BROWNFIELDS:
Program: BCP
Site Code: 388853
Site Description: Location: The Niagara Street and Pennsylvania Avenue Site is located in the City of Buffalo, Erie County, New York. The Site is approximately 0.27 acres and located on the southeast corner of Niagara Street and Pennsylvania Avenue, and bordered by Reynolds Alley, Pennsylvania Avenue, Niagara Street and the parking lot for the retail store that has been constructed on the Site.Site Features: The Site included an abandoned gasoline station/automotive repair building, abandoned underground storage tanks (USTs), product dispensers and one in-ground hydraulic lift on the property.Current Zoning/Use(s): The site has been redeveloped and is zoned for commercial use. The surrounding parcels are currently used for a combination of commercial and residential use. The nearest residential area is 30 feet southeast on Niagara Street.Historical Use(s): A Phase I Environmental Site Assessment (ESA) Report completed for the Site in 2007 identified several environmental concerns due to the potential for chemical and/or petroleum product releases associated with historic use of the Site as a gasoline station and automotive repair shop. The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work Plan was approved by the NYSDEC in November 2008. An Interim Remedial Measure was completed in 2009 removing five underground storage tanks (USTs), piping, and impacted soils. The Remedial Investigation field activities were also performed in 2009. A Remedial Investigation/Alternatives Analysis Report/Interim Remedial Measures Report was submitted and made available for public review in the Fall 2009. Certificate of Completion was issued on December 24, 2009.Site Geology and Hydrogeology: The site is generally flat lying. The geology of the site is described as fill materials consisting of silt, sand and gravel with varying amounts of brick fragments ranging from 1.5 feet to 5 feet below ground surface. Underlying the fill is native dense brown/reddish brown silty clay to depths up to 18 feet below ground surface. Shallow groundwater ranges from 7 to 8.5 feet below ground surface. Groundwater flow direction is to the west.
Env Problem: Nature and Extent of Contamination: Prior to Remediation: Based upon investigations conducted to date, the primary contaminants of concern at the site included semi-volatile organic compound (SVOCs) dibenzo (a,h) anthracene, benzo (b) fluoranthene and volatile organic compounds (VOCs) xylene, benzene, and methyl tert-butyl ether (MTBE). Remedial measures included demolition of the former service station building and five underground storage tanks (USTs).Several VOCs such as benzene, MTBE, and acetone were detected in groundwater above the groundwater quality standards on the western portion of the site; down gradient of the former underground storage tanks (USTs). Benzene was detected at a concentration of 990 part per billion (ppb),

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE (Continued) **S110043634**

exceeding the groundwater quality standard of 1 ppb. Benzene was also detected in groundwater at concentrations slightly exceeding the groundwater quality standards in the southeast portion of the site (cross gradient of the former USTs). Post-Remediation: Remediation at the site is complete.

Health Problem: There are some residual impacts from former gas station and auto repair operations in subsurface soil under the existing sidewalk at the site along Niagara Street. Contact with this soil is unlikely since it is below the surface. Groundwater contains low-level gasoline related compounds at the site near Niagara Street, but exposure to contaminants in groundwater is unlikely since the site and surrounding area are served public water. Since gasoline related compounds can evaporate from groundwater or soil and enter soil vapor, this potential is being evaluated to make sure that soil vapor intrusion is not a concern for the commercial building under development at the site.

125
NNE
1/4-1/2
0.342 mi.
1808 ft.

E.C.C. #36
10 DAYS PARK
BUFFALO, NY 14201

LTANKS **U003318038**
UST **N/A**
NY Spills

Relative: Higher

Actual: 626 ft.

LTANKS:

Site ID:	257189
Spill Number/Closed Date:	0375433 / 3/2/2004
Spill Date:	12/1/2003
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	1502
Investigator:	JFOTTO
Referred To:	Not reported
Reported to Dept:	12/23/2003
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/23/2003
Spill Record Last Update:	3/2/2004
Spiller Name:	WILLIAM MOSS
Spiller Company:	BFLO BOARD OF EDUCATION
Spiller Address:	65 NIAGARA SQUARE RM-406
Spiller City,St,Zip:	BUFFALO, NY 14202-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	210585
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JFO"12/23/03 JFO TELCON WITH BILL MOSS. THE TANK FAILED THE TIGHTNES

E.C.C. #36 (Continued) **U003318038**

TEST AND WAS TAKEN OUT OF SERVICE. REPAIRS WILL BE MADE AND THE TANK WILL BE RETESTED.03/01/04 JFO RECEIVED THE RETEST. TANK PASSED THE TEST. NO FURTHER ACTION REQUIRED.CLOSED

Remarks: TANK TEST FAILURE, ESTERBROOK EZ III PLUS TEST USED, FILL PIPE WAS BENT WHICH COULD BE THE PROBLEM, THEY WILL EXCAVATE THE TANK TOP AND INSTALL A NEW RISER PIPE NEXT WEEK, AFTER THIS HAS BEEN COMPLETED THEY WILL RE-TEST.

Material:

Site ID:	257189
Operable Unit ID:	882267
Operable Unit:	01
Material ID:	494620
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	257189
Spill Tank Test:	1529106
Tank Number:	1
Tank Size:	10000
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	257190
Spill Number/Closed Date:	0375434 / 12/24/2003
Spill Date:	12/23/2003
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	1502
Investigator:	JFOTTO
Referred To:	Not reported
Reported to Dept:	12/23/2003
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0

E.C.C. #36 (Continued) **U003318038**

Date Entered In Computer: 12/24/2003
Spill Record Last Update: 12/24/2003
Spiller Name: BILL MOSS
Spiller Company: BUFFALO PUBLIC SCHOOLS\\
Spiller Address: 406 CITY HALL
Spiller City,St,Zip: BUFFALO, NY 14202-
Spiller County: 001
Spiller Contact: JOHN BLAKE
Spiller Phone: (716) 888-7006
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 210585
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JFO"THIS IS A DUPLICATE SPILL SEE SPILL #0375433. CLOSED THERE IS NO PAPER FILE FOR THIS SPILL
Remarks: TANK TEST FAILURE. THEY WILL CHECK AND REPAIR LINES THEN RETEST.

Material:
Site ID: 257190
Operable Unit ID: 882268
Operable Unit: 01
Material ID: 494621
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

UST:
Id/Status: 9-425389 / Unregulated
Program Type: PBS
Region: STATE
DEC Region: 9
Expiration Date: N/A
UTM X: 183029.11225999999
UTM Y: 4756857.5260199998
Site Type: School

Affiliation Records:
Site Id: 54102
Affiliation Type: On-Site Operator
Company Name: E.C.C. #36
Contact Type: Not reported
Contact Name: RICH POWLESS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NY
Zip Code: Not reported

E.C.C. #36 (Continued) **U003318038**

Country Code:	001
Phone:	(716) 816-3211
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TJWALKER
Date Last Modified:	1/7/2011
Site Id:	54102
Affiliation Type:	Emergency Contact
Company Name:	BUFFALO BOARD OF EDUCATION
Contact Type:	Not reported
Contact Name:	WILLIAM MOSS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 816-3028
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KNGLASER
Date Last Modified:	2/28/2013
Site Id:	54102
Affiliation Type:	Facility Owner
Company Name:	BUFFALO BOARD OF EDUCATION
Contact Type:	ASSISTANT ENGINEER
Contact Name:	WILLIAM MOSS
Address1:	65 NIAGARA SQUARE ROOM 406
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14202
Country Code:	001
Phone:	(716) 816-3028
EMail:	WMOSS@BUFFALOSCHOOLS.ORG
Fax Number:	Not reported
Modified By:	KNGLASER
Date Last Modified:	2/28/2013
Site Id:	54102
Affiliation Type:	Mail Contact
Company Name:	BUFFALO BOARD OF EDUCATION
Contact Type:	Not reported
Contact Name:	WILLIAM MOSS
Address1:	RM 406 CITY HALL
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14202
Country Code:	001
Phone:	(716) 816-3028
EMail:	WMOSS@BUFFALOSCHOOLS.ORG
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	12/17/2012

E.C.C. #36 (Continued) **U003318038**

Tank Info:

Tank Number:	1
Tank ID:	167278
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	11500
Install Date:	01/01/1957
Date Tank Closed:	03/22/2012
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	21
Date Test:	11/13/2008
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	aeskalsk
Last Modified:	04/19/2012

Equipment Records:

G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

SPILLS:

Facility ID:	0911848
DER Facility ID:	210585
Facility Type:	ER
Site ID:	424693
DEC Region:	9
Spill Date:	2/1/2010
Spill Number/Closed Date:	0911848 / 2/11/2010
Spill Cause:	Unknown
Spill Class:	No spill occured. (Not Possible)
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	2/8/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/8/2010

E.C.C. #36 (Continued) **U003318038**

Spill Record Last Update:	2/18/2010
Spiller Name:	Not reported
Spiller Company:	BUFFALO BOARD OF EDUCATION
Spiller Address:	65 NIAGARA STREET
Spiller City,St,Zip:	BUFFALO, NY 14202
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	2/8/10 FG SPOKE TO JOHN HANNON WITH THE CITY OF BUFFALO 851-5275. HE SAID THE OPERATING ENGINEER NOTICED A DROP OF PRODUCT IN NOVEMBER AND THEY FOUND OUT ABOUT IT JUST RECENTLY. THEY ARE HAVING SENECA TANK TEST THE UST AND WILL PROVIDE US WITH THE RESULTS. MR. HANNON SAID THERE IS NO ODOR PRESENT AND NO PRODUCT IN SUMPS OR EVIDENT ANYWHERE.2/11/10 FG SITE INSPECTION. NO PETROLEUM SPILL EVIDENT. SPILL 0911950 OPENED. REFER TO SPILL 0911950.THIS SPILL IS CLOSED.ELECTRONIC FILE ONLY.
Remarks:	Caller claims tank dropped 20 inches in a day. Claims basement smells like oil.

Material:

Site ID:	424693
Operable Unit ID:	1180451
Operable Unit:	01
Material ID:	2174338
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0911950
DER Facility ID:	210585
Facility Type:	ER
Site ID:	424807
DEC Region:	9
Spill Date:	11/18/2009
Spill Number/Closed Date:	0911950 / 3/8/2010
Spill Cause:	Unknown
Spill Class:	No spill occured. No DEC Response. No corrective action required.
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	2/11/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported

E.C.C. #36 (Continued) **U003318038**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/11/2010
Spill Record Last Update:	3/8/2010
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	JOHN KOLAGA, ATTORNEY
Contact Phone:	(716) 858-3760
DEC Memo:	2/11/10 FG SITE INSPECTION. BOILER ROOM HAD NO ODOR OR EVIDENCE OF A SPILL. SUMP IN BOILER ROOM HAD NO EVIDENCE OF A SPILL OF PETROLEUM, ONLY WATER PRESENT. FG SPOKE TO JOHN HEFFRON WITH THE CITY OF BUFFALO. HE SAID HE HAD ELMWOOD TANK TIGHTNESS TEST THE UST TODAY AND IT PASSED. THE CAUSE OF THE 10 INCH DROP IN PRODUCT IS UNKNOWN BUT NO SPILL IS EVIDENT.TIGHTNESS TEST TO BE PROVIDED TO THE DEPT. NO FURTHER ACTION IS NECESSARY.3/8/10 THE CITY OF BUFFALO PROVIDED THE TIGHTNESS TEST FOR THE 10,000 GALLON HEATING OIL UST AT THE PROPERTY AND THE RESULTS INDICATE A PASS. NO FURTHER WORK IS REQUIRED. THE SITE IS CLOSED.
Remarks:	info received - showed possibly a spill - city of buffalo owns the building - 10" of 10000 gal tank fuel oil dissappeared

Material:

Site ID:	424807
Operable Unit ID:	1180555
Operable Unit:	01
Material ID:	2174505
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

---

126 South 1/4-1/2 0.348 mi. 1840 ft.

4TH STREET SITE
4TH STREET AND TRENTON
BUFFALO, NY 14201

EDR MGP **1008407904**
N/A

Relative: Lower

Actual: 580 ft.

Manufactured Gas Plants:
Alternate Name:CITIZENS GAS LIGHT CO. No additional information available

127
East
1/4-1/2
0.376 mi.
1983 ft.

BUFFALO SCHOOL # 76
300 SOUTH ELMWOOD AVE
BUFFALO, NY

LTANKS **S110490866**
MANIFEST **N/A**

Relative:
Higher

Actual:
614 ft.

LTANKS:

Site ID:	66723
Spill Number/Closed Date:	0111280 / 5/30/2002
Spill Date:	2/27/2002
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	1502
Investigator:	BFGRABER
Referred To:	Not reported
Reported to Dept:	2/27/2002
CID:	396
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/27/2002
Spill Record Last Update:	8/6/2002
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller County:	999
Spiller Contact:	BILL MOSS
Spiller Phone:	(716) 851-3028
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	63861
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BG"03/04/02: BFG TELECON BILL MOSS (SCHOOL 76 ASSISTANT ENGINEER) AND HE SAID THE SCHOOL INTENDS TO KEEP USING THE TANK. HE SAID THAT THE TANK WILL BE TESTED SEPERATELY WITH THE PIPING UNHOOKED AND TANK TESTED SEPERATELY. IF THE TANK PASSES, THE PIPING WILL BE REPLACED. NOTE: DAVID MENDEL IS ENVIRONMENTAL SERVICE GROUP'S (ESG) CONTACT @ 716-695-6720.03/04/02: BFG SENT BILL MOSS A LETTER EXPLAINING THE SCHOOLS' OPTIONS. 04/22/02: BFG TELECON BILL MOSS AND WAS TOLD ESG DID TANK TESTING INCORRECTLY AND WILL BE RETESTING TANK ASAP.05/28/02: REC'D TANK RETEST REPORT PERFORMED ON 05/22/02. TANK AND SYSTEM TIGHTNESS RETEST PASSED. ******** SPILL CLOSED - NO FURTHER WORK REQUIRED **********
Remarks:	believes the leak is in the piping. tank is not being used..they now use natural gas.

Material:

Site ID:	66723
Operable Unit ID:	848343
Operable Unit:	01
Material ID:	528868

BUFFALO SCHOOL # 76 (Continued) **S110490866**

Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 66723
Spill Tank Test: 1526904
Tank Number: Not reported
Tank Size: 12000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

NY MANIFEST:
EPA ID: NYR000174045
Country: USA
Mailing Name: CHEVRON C/O WASTE DESK EMC #304847
Mailing Contact: CHEVRON C/O WASTE DESK EMC #304847
Mailing Address: PO BOX 6004
Mailing Address 2: Not reported
Mailing City: SAN RAMON
Mailing State: CA
Mailing Zip: 94583
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 925-842-5931

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD097644801
Trans2 State ID: Not reported
Generator Ship Date: 2012-12-04
Trans1 Recv Date: 2012-12-04
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2012-12-10
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000174045
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: Not reported
Quantity: 10.0
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 1.0

BUFFALO SCHOOL # 76 (Continued) **S110490866**

Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	001580478GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD097644801
Trans2 State ID:	Not reported
Generator Ship Date:	2010-05-06
Trans1 Recv Date:	2010-05-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-05-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000174045
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	Not reported
Quantity:	486.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	001139713GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

128
ESE
1/4-1/2
0.377 mi.
1991 ft.

SIMON OIL COMPANY
SOUTH ELMWOOD & CHIPPEWA
BUFFALO, NY

LTANKS **S100117657**
N/A

Relative:
Higher

Actual:
610 ft.

LTANKS:

Site ID:	242396
Spill Number/Closed Date:	8900269 / 3/28/1990
Spill Date:	4/8/1989
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Not reported
Cleanup Ceased:	3/5/1990
Cleanup Meets Standard:	True
SWIS:	1502
Investigator:	LYONS
Referred To:	Not reported
Reported to Dept:	4/10/1989
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	3/5/1990
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	4/14/1989
Spill Record Last Update:	10/1/1996
Spiller Name:	Not reported
Spiller Company:	SIMON OIL
Spiller Address:	1316 MAIN STREET
Spiller City,St,Zip:	NIAGARA FALLS, NY 14301
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	199193
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MEL"04/13/89: TANK WAS CLEANED AND FILLED IN PLACE AS NO APPRECAIBLE SHEEN COULD BE FOUND IN THE SOIL. TEST PIT TO BE DUG AT END OF TANK & A WELL INSERTED AS PRECAUTIONARY MEASURES. 04/17/89: MEL SITE INSPECTION. EXCAVATION FILLED IN AND WELL IN PLACE. WELL DOES NOT EXTEND TO WATER TABLE. SOIL IN WELL HAS A GAS ODOR BUT DOES NOT SHEEN WHEN EXPOSED TO WATER. 05/25/89: MEL INSPECTION. NO WATER IN WELL, SOIL AT BOTTOM OF WELL SMELLED OF GASOLINE. 06/02/89: MEL INSPECTION. MEASURED DEPTH OF WELL - 9.5 FEET. SENT LETTER TO KIMMONS.06/16/89: RNL TELCON WITH PETER BURKE, KEN KIMMONS ATTORNEY . AGREED TO WELL DEPTH OF 20 FEET. BURKE TO CHECK WITH KIMMONS, AND CALL THEN CALL RNL. 06/27/89: MEL INSPECTION. WELL DEPTH STILL 9.5 FEET. 08/08/89: MEL INSPECTIONS OF 8/8/89, 9/6/89, 11/2/89, 3/5/89. WELL WAS FREE OF PETROLEUM SHEEN ON EACH DATE INSPECTED (SLIGHT GASOLINE ODOR PRESENT). NO FURTHER ACTION NECESSARY, RECOMMEND FILE BE CLOSED.
Remarks:	FAILED ISOLATION TEST. PASSED LAST YEAR FAILED THIS YEAR.

Material:

Site ID:	242396
Operable Unit ID:	926678
Operable Unit:	01

SIMON OIL COMPANY (Continued) **S100117657**

Material ID:	451615
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	242396
Spill Tank Test:	1535322
Tank Number:	2
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AB129 **SUNOCO #0364-1719** **LTANKS** **U003318587**
NNW **555 NIAGARA** **UST** **N/A**
1/4-1/2 **BUFFALO, NY 14201** **NY Spills**
0.388 mi.
2050 ft. **Site 1 of 2 in cluster AB**

Relative:
Higher

Actual:
617 ft.

LTANKS:

Site ID:	309724
Spill Number/Closed Date:	9402249 / 10/5/1994
Spill Date:	1/1/1994
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	10/5/1994
Cleanup Meets Standard:	False
SWIS:	1502
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	5/13/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	8/3/1994
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	5/17/1994
Spill Record Last Update:	10/11/1994
Spiller Name:	Not reported
Spiller Company:	SUN COMPANY
Spiller Address:	301 WEST HIAWATHA BLVD.
Spiller City,St,Zip:	SYRACUSE, NY 13204

SUNOCO #0364-1719 (Continued) **U003318587**

Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	250035
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RMC"05/23/94: RMC/LETTER RD 6/15/94.06/09/94: RMC/SITE WORK NOT YET BEGUN, LETTER RD 6/30/94.07/20/94: RMC/FILE WORK TO BEGIN 7/25/94.08/03/94: RMC/JULIE DROSTE MATRIX/SITE CAN NOT DIG TO CLEAN, RP TO PROVIDE SITTE ASSESMENT, DUE 9/30/94.08/03/94: RMC/FILE REVIEWED SITE ASSESMENT, I PER RNL, LETTER, INACTIVE.
Remarks:	REPORT & TESTING FOR FACILITY UPGRADE SHOWS CONTAMINATION.

Material:

Site ID:	309724
Operable Unit ID:	995925
Operable Unit:	01
Material ID:	385991
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	309723
Spill Number/Closed Date:	9007370 / 6/3/1991
Spill Date:	10/4/1990
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	2/18/1991
Cleanup Meets Standard:	True
SWIS:	1502
Investigator:	LYONS
Referred To:	Not reported
Reported to Dept:	10/4/1990
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1/14/1991
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	10/4/1990
Spill Record Last Update:	6/3/1991
Spiller Name:	Not reported
Spiller Company:	ATLANTIC REFINING
Spiller Address:	5733 BUTLER STREET

SUNOCO #0364-1719 (Continued) **U003318587**

Spiller City,St,Zip:	PITTSBURGH, PA
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	250035
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MEL"06/03/91: MEL RECIEVED DISPOSAL RECIEPTS. NO FURTHER ACTION NECESSARY, RECOMMEND FILE BE CLOSED. 10/05/91: MEL. CONTAMINATED SOIL EXCAVATED AND STAGGED ON SITE PENDING DISPOSAL.
Remarks:	GASOLINE FOUND IN EXCAVATION AT ATLANTIC GASOLINE STATION

Material:

Site ID:	309723
Operable Unit ID:	944714
Operable Unit:	01
Material ID:	434785
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

UST:

Id/Status:	9-500542 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	182406.1795
UTM Y:	4756925.7312700003
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	54748
Affiliation Type:	Facility Owner
Company Name:	ATLANTIC R & M CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1801 MARKET STREET
Address2:	Not reported
City:	PHILADELPHIA
State:	PA
Zip Code:	19103
Country Code:	001
Phone:	(215) 977-6337
EMail:	Not reported
Fax Number:	Not reported

SUNOCO #0364-1719 (Continued) **U003318587**

Modified By:	TRANSLAT
Date Last Modified:	3/4/2004
Site Id:	54748
Affiliation Type:	Mail Contact
Company Name:	ATLANTIC R & M CORP.
Contact Type:	Not reported
Contact Name:	UST COORDINATOR
Address1:	1801 MARKET STREET
Address2:	20/10 PC
City:	PHILADELPHIA
State:	PA
Zip Code:	19103
Country Code:	001
Phone:	(215) 246-8513
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004
Site Id:	54748
Affiliation Type:	On-Site Operator
Company Name:	SUNOCO #0364-1719
Contact Type:	Not reported
Contact Name:	DEMUTH ASSOCIATION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 882-2657
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004
Site Id:	54748
Affiliation Type:	Emergency Contact
Company Name:	ATLANTIC R & M CORP.
Contact Type:	Not reported
Contact Name:	LARRY BALLAY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(800) 786-9494
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	1

SUNOCO #0364-1719 (Continued) **U003318587**

Tank ID:	168792
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	12/01/1981
Date Tank Closed:	08/01/1994
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	18
Date Test:	12/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser

Tank Number:	2
Tank ID:	168793
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	12/01/1981
Date Tank Closed:	08/01/1994
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	18
Date Test:	12/01/1993
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

SUNOCO #0364-1719 (Continued) **U003318587**

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser

Tank Number: 3
Tank ID: 168794
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 6000
Install Date: 12/01/1981
Date Tank Closed: 08/01/1994
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 18
Date Test: 12/01/1993
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser

Tank Number: 4
Tank ID: 171156
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 10000
Install Date: 08/01/1994
Date Tank Closed: 03/01/1998
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 20
Date Test: 08/01/1994
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

SUNOCO #0364-1719 (Continued) **U003318587**

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I01 - Overfill - Float Vent Valve
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
J01 - Dispenser - Pressurized Dispenser

Tank Number:	5
Tank ID:	171157
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	10000
Install Date:	08/01/1994
Date Tank Closed:	03/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	20
Date Test:	08/01/1994
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I01 - Overfill - Float Vent Valve
J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Tank Number:	6
Tank ID:	171158
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	10000
Install Date:	08/01/1994
Date Tank Closed:	03/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009

SUNOCO #0364-1719 (Continued) **U003318587**

Common Name of Substance: Gasoline

Tightness Test Method: 20
Date Test: 08/01/1994
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I01 - Overfill - Float Vent Valve
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
J01 - Dispenser - Pressurized Dispenser

SPILLS:

Facility ID: 9612898
DER Facility ID: 250035
Facility Type: ER
Site ID: 309725
DEC Region: 9
Spill Date: 1/30/1997
Spill Number/Closed Date: 9612898 / 12/24/2002
Spill Cause: Unknown
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 1502
Investigator: RMCROSSE
Referred To: Not reported
Reported to Dept: 1/30/1997
CID: 369
Water Affected: Not reported
Spill Source: Gasoline Station
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: 3/10/1998
Recommended Penalty: False
UST Trust: True
Remediation Phase: 0
Date Entered In Computer: 1/30/1997
Spill Record Last Update: 9/19/2003
Spiller Name: DAVID BENDER
Spiller Company: SUN COMPANY
Spiller Address: 205 PARK AVENUE
Spiller City,St,Zip: SYRACUSE, NY 13204-
Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was

SUNOCO #0364-1719 (Continued) **U003318587**

"RMC"01/31/97: RMC NOTE TO FILE, CONTAMINATION FOUND DURING SITE ASSESSMENT02/03/97: RMC TELECON TO DAVID BENDER, NOT IN, LEFT MESSAGE FOR BENDER TO CALL, CALL DUE 2/10/9702/06/97: RMC TELECON BENDER, HE WILL SEND MW ANALYSIS AND REPORT, DUE 3/30/9705/12/97: RMC RECEIVED REPORT, REMEDIATION REQUIRED, SENT LETTER, WORK PLAN DUE 7/1/9707/03/97: RMC RECEIVED LETTER FROM SUN ASKING FOR NO FURTHER WORK, RMC AND RNL DISCUSSION, RNL AGREED WITH GW INACTIVE IF SOIL IS RETESTED AND IS WITHIN INACTIVE GUIDANCE, RMC LEFT MESSAGE FOR BENDER, CALL DUE 7/1507/15/97: RMC TELECON TO DAVID BENDER, LEFT MESSAGE FOR BENDER TO CALL, CALL DUE 7/2207/18/97: RMC TELECON BENDER, HE SAID THAT CONTAMINANT LEVELS HAVE INCREASED, SUN TO DO FURTHER SITE ASSESSMENT, REPORT DUE 9/30/9707/25/97: RMC RECEIVED SAMPLING RESULTS, LEVELS INCREASED, ADDITIONAL SITE ASSESSMENT TO BE DONE BY SUN, REPORT DUE 10/31/9711/03/97: RMC RECEIVED REPORT, LEVELS STABLE, NEXT ROUND DUE 1/30/9802/02/98: RMC RECEIVED REPORT, LEVELS STABLE, ROUND DUE 4/30/9803/10/98: MF SITE INSPECTION, MET TOM OF GES. THREE 10,000 GALLON FRP DOUBLE WALL UST'S REMOVED. TANKS WERE IN PEA GRAVEL. GW AT APPX 7', VERY SLIGHT SHEEN. TOM CLAIMED NORTH WALL HAD A 17 PPM READING WITH HNU. THEY ARE NOT GOING TO REMOVED ANY SOIL THAT IS CONTAMINATED. A PARTIAL SVS IS IN PLACE, THEY WILL HOOK THIS UP. NO ODOR NOTICED. GW SAMPLED, SIDE WALLS WILL BE SAMPLED. REPORT DUE 5/1/9805/07/98: RMC RECEIVED REPORT, REMEDIATION REQUIRED, SENT LETTER, RESPONSE DUE 6/5/9808/25/98: RMC RECEIVED MONITORING REPORT, WELL ROUND SHOWS IMPROVEMENT, WELL ARE OUTSIDE OLD TANK PIT, NO DATE IN AREA WHERE 4/98 REPORT SHOWS SIGNIFICANT EXCEEDANCES IN SOIL AND WATER, NO RESPONSE TO LETTER REQUESTING REMEDIATION, LETTER RESPONSE DUE 9/3009/04/98: RMC RECEIVED LETTED FROM SUN ADVISING THAT FURTHER DELINATION OF PROBLEM WILL BE DONE, REPORT DUE 12/98 01/08/99: RMC RECEIVED REPORT, EXCEEDANCES, NEXT ROUND DUE 4/9905/07/99: RMC RECEIVED 2/99 REPORT, LEVELS IMPROVING, NEXT ROUND DUE 6/9908/19/99: RMC RECEIVED 8/99 REPORT, EXCEEDANCES, RAP WILL BE SUBMITTED BY 10/9910/06/99: RMC RECEIVED REPORT, STATES RAP WILL BE SUBMITTED, DUE 10/3012/08/99: RMC MEETING WITH SUN, LEVELS HAVE DECREASED WITHOUT ACTION, TO MONITOR A YEAR, UPDATE 4/1/0003/27/00: RMC RECEIVED EXPOSURE ASSESSMENT, APPEARS TO MEET GUIDANCE, RMC SUBMITTED TO RNL FOR FINAL REVIEW04/02/00: RNL FILE REVIEW, STAFF AND I NEED TRAINING FOR EXPOSURE ASSESSMENTS, REFERRED TO PJB FOR RESOLUTION06/08/00: RMC DISCUSSED SITE WITH TED, HE ADVISED SITE DOES NOT MEET EXPOSURE GUIDANCE, LETTER RESPONSE DUE 8/3007/28/00: RMC RECEIVED REPORT, LEVELS DECREASING, REQUESTED INACTIVE STATUS, RMC SENT LETTER ADVISED THAT, PER OUR AGREEMENT WE NEED TWO ROUNDS MEETING INACTIVE GUIDANCE FOR STARS CONTAMINATES, NOT JUST BTEX. REPORT DUE 9/3010/23/00: RMC RECEIVED MONITORING REPORT, REVIEWED SITE WITH RNL. SITE TO BE MADE INACTIVE PER RNL. 11/28/00 RMC/FILE RNL REVIEWED ENTIRE FILE FOR STATUS DETERMINATION, UNABLE TO CHANGE STATUS DUE TO ELEVATED SOIL CONTAMINATE CONCENTRATIONS IN THE AREA OF MW4 AND UST NORTH WALL SAMPLE,LETTER, UPDATE 2/28/01 05/17/01 RMC/SUN MEETING. SOIL NUMBERS APPEAR TOO HIGH FOR SATATUS CHANGE, RMC TO REVIEW. UPDATE 5/30/0108/27/01 RMC/FILE. REVIEWED WORK TO DATE, TAGM EXCEEDANCES IN THE AREA OF S1, GW EXCEEDANCES IN AREA OF MW4, FURTHER WORK REQUIRED, LETTER, UPDATE 11/30/0111/26/01 RMC/TOM, GES/PHONE. WORK NOT YET DONE. UPDATE 2/28/01.01/30/02 RMC/FILE. RECEIVED REPORT, TWO BORINGS AND ONE WELL INSTALLED. BORINGS MEET TAGM, BTEX, NOT ALL LISTED COMPOUNDS, SHOW ABOUT 2 PPM, TO REMIND SUNOCO, AGAIN, AT NEXT MEETING ALL LISTED 8021 COMPOUNDS MUST BE REPORTED, NEXT ROUND DUE 4/1/0204/24/02 RMC/FILE. RECEIVED REPORT FOR MW7, TOTAL 8021 3.4 PPM, MTBE DETECTION LIMIT 500 PPB?, NEXT ROUND DUE 7/30/0208/14/02

SUNOCO #0364-1719 (Continued) **U003318587**

RMC/FILE. RECEIVED REPORT DATED 8/12/02. ALL CONTAMINATES NOT REPORTED, EXCEEDANCES, NEXT REPORT DUE 10/30/0211/04/02 RMC/TOM, GES NEW SAMPLING WILL BE SUBMITTED, NOTED IS AS ALL ND, TO SAMPLE AGAIN AT THE END OF THE MONTH. UPDATE. 12/30/0211/06/02 RMC/FILE. RECEIVED REPORT. LEVELS DECREASING, NEXT ROUND DUE 1/1/0312/24/02 RMC/FILE. REVIEWED REPORT RECEIVED 12/20/02. SITE WITH IN INACTIVE GUIDANCE, LETTER, INACTIVE.

Remarks: CONTAMINATION DISCOVERED IN SITE WORK,

Material:

Site ID:	309725
Operable Unit ID:	1044428
Operable Unit:	01
Material ID:	341544
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	True
Site ID:	309725
Operable Unit ID:	1044428
Operable Unit:	01
Material ID:	573599
Material Code:	1213A
Material Name:	MTBE (METHYL-TERT-BUTYL ETHER)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	True

Tank Test:

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130 South 1/4-1/2 0.400 mi. 2113 ft.

WATERFRONT SCHOOL #95
95 FOURTH ST
BUFFALO, NY 14202

LTANKS U003318023
UST N/A

Relative: Lower

Actual: 580 ft.

LTANKS:

Site ID:	234406
Spill Number/Closed Date:	8709231 / 5/22/1989
Spill Date:	12/15/1987
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	5/22/1989
Cleanup Meets Standard:	True
SWIS:	1502
Investigator:	MXFRANKS
Referred To:	Not reported

WATERFRONT SCHOOL #95 (Continued) **U003318023**

Reported to Dept:	1/29/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	12/27/1988
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/1/1988
Spill Record Last Update:	3/19/2003
Spiller Name:	Not reported
Spiller Company:	DAVID BAKER
Spiller Address:	CITY HALL ROOM 406
Spiller City,St,Zip:	BUFFALO, NY 14202
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	193108
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MF" / / : MF 1/29/88 TELECON BEN KACZMAREK, TANK TO BE EMPTIED & CLEANED. OWENS WILL BE CALLED TO REPAIR. 02/11/88: MF TELECON BEN KACZMAREK, SPEC'S FOR BID TO PUMP,CLEAN & REPAIR TANK (IF POSSIBLE) WILL BE OUT NEXT WEEK. HE WILL KEEP ME INFORMED. 02/23/88: MF DAVID BAKER TELECON, HE WILL BE HANDLING REMOVAL & REPLACEMENT OF THE TANK. HE IS PRESENTLY WRITTING SPECS FOR BIDDING. SENT HIM PBS PACKET. 04/07/88: MF DAVE BAKER TELECON, THEY WANT TO PUT BID OUT TO CLEAN TANK & IF POSSIBLE REPAIR IT, I TOLD HIM OK, BUT I WANT TO SEE MOVEMENT TOWARDS A SOLUTION TO THIS PROBLEM. 05/31/88: MF TELECON DAVE BAKER, BID ARE STARTING TO COME BACK FOR TANK WORK, HE WILL KEEP ME INFORMED. 08/16/88: MF TELECON DAVE BAKER, HE CLAIMED PROJECT HAS BEEN ON THE BACK BURNER, I TOLD HIM I WANT MOVEMENT ON THIS, HE CLAIMED HE4 WILL GET SOMETHING GOING NEXT WEEK. 08/29/88: MF TELECON DAVE BAKER, HE CLAIMED WORK WILL BEGIN ON TANK NEXT WEEK. 10/11/88: MF DAVE MENDAL TELECON (EOI), HE CLAINED WORK WILL BE STARTING THIS WEEK. 10/20/88: MF TELECON DAVE MENDELL, HE CLAIMED OIL HAS BEEN REMOVED FROM THE TANK. THERE IS 8K GALLONS OF WATER IN TANK & ANOTHER PROPOSAL HAS TO BE MADE TO REMOVE. 10/21/88: MF TELECON DAVE BAKER, NOT IN, LEFT MESSAGE TO RETURN CALL. 11/10/88: MF LETTER SENT TO DAVE CONCERNING DISPOSAL OF TANK & TANK EXCAVATION WATER. 12/23/88: MF SITE VISIT, DAVE GRABER ON SITE DRILLING 2 MW'S. THESE WELLS WILL BE USED TO BRING WATER TABLE DOWN IF NECESSARY. MARSHALL ARRIVED & I TOLD HIM WATER IS TO BE ANALYZED TO DETERMINE DISPOSAL. 12/26/88: MF SITE VISIT/MARSHALL 6K GALLONS OF WATER REMOVED, TO BE STORED AT MASSHALLS FACILITY. HOLE IN TANK FOUND, APPEARENTLY CAUSED BY TANK STICK. TEMP REPAIRED TO KEEP WATER FROM ENTERING. 12/30/88: MF TELECON DAVE BAKER & MARCOR REGARDING TESTING FOR TANK WATER. MARCOR CLAIMED MARSHALL DIDN'T WANT WATER FROM TANK TESTED. WATER FROM WELL HAS BEEN TESTED RESULTS BQL.(602).12/30/88: MF TELECON DAVE BAKER TOLD HIM TANK WATER HAS TO BE TESTED DOH 310-13 & THE RESULTS OF THIS TEST WILL DETERMINE DISPOSAL METHODE. HE WANTED ME TO CALL MARSHALL, I TOLD HIM IT WAS HIS WATER. 02/16/89: MF RECEIVED LETTER FROM DAVE BAKER REQUESTING TANK BE PUT BACK IN SERVICE WITHOUT TESTING. REVIEWED PROBLEM/RNL, SENT DAVE A LETTER AGREEING TO REQUEST. 04/03/89: MF TELECON DAVE BAKER, ASKED FOR ANALYTICAL RESULTS FROM WATER TEST. HE DIDN'T HAVE THEM BUT WILL CHECK WITH MARSHALL & GET

WATERFRONT SCHOOL #95 (Continued) **U003318023**

BACK TO ME.EEING TO REQUEST. 05/04/89: MF TELECON DAVE BAKER, HE WILL GET THE ANALYTICAL RESULTS FROM MARCOR & GET THEM TO ME.M BUT WILL CHECK WITH MARSHALL & GET BACK TO ME.EEING TO REQUEST. 05/22/89: MF RECEIVED COPY OF THE LAB RESULTS FOR THE MW WATER. NOTHING DETECTED. NO FURTHER ACTION NECESSARY BY SPILLS.

Remarks: 20K FRP UST TAKING ON WATER, TANK 12 YEARS OLD, CURRENTLY OUT OF SERVICE.

Material:
Site ID: 234406
Operable Unit ID: 914483
Operable Unit: 01
Material ID: 464560
Material Code: 0003A
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 2
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 234406
Spill Tank Test: 1533136
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

UST:
Id/Status: 9-423726 / Active
Program Type: PBS
Region: STATE
DEC Region: 9
Expiration Date: 2017/12/14
UTM X: 183124.48087
UTM Y: 4755541.3170800004
Site Type: School

Affiliation Records:
Site Id: 54087
Affiliation Type: On-Site Operator
Company Name: WATERFRONT SCHOOL #95
Contact Type: Not reported
Contact Name: GEORGE SAWYER
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN

WATERFRONT SCHOOL #95 (Continued) **U003318023**

Zip Code:	Not reported
Country Code:	001
Phone:	(716) 816-3858
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	12/17/2012

Site Id:	54087
Affiliation Type:	Emergency Contact
Company Name:	BUFFALO BOARD OF EDUCATION
Contact Type:	Not reported
Contact Name:	WILLIAM MOSS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 816-3028
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KNGLASER
Date Last Modified:	2/28/2013

Site Id:	54087
Affiliation Type:	Mail Contact
Company Name:	BUFFALO BOARD OF EDUCATION
Contact Type:	Not reported
Contact Name:	WILLIAM MOSS
Address1:	65 NIAGARA SQUARE, RM 406 CITY HALL
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14202
Country Code:	001
Phone:	(716) 816-3028
EMail:	WMOSS@BUFFALOSCHOOLS.ORG
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	12/17/2012

Site Id:	54087
Affiliation Type:	Facility Owner
Company Name:	BUFFALO BOARD OF EDUCATION
Contact Type:	ASSISTANT ENGINEER
Contact Name:	WILLIAM MOSS
Address1:	65 NIAGARA SQUARE ROOM 406
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14202
Country Code:	001
Phone:	(716) 816-3028
EMail:	WMOSS@BUFFALOSCHOOLS.ORG
Fax Number:	Not reported
Modified By:	KNGLASER

WATERFRONT SCHOOL #95 (Continued) **U003318023**

Date Last Modified: 2/28/2013

Tank Info:

Tank Number: 01
Tank ID: 222203
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 10000
Install Date: 07/01/2006
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TJWALKER
Last Modified: 12/03/2012

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
I03 - Overfill - Automatic Shut-Off
D11 - Pipe Type - Flexible Piping
F05 - Pipe External Protection - Jacketed
G04 - Tank Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Number: 1
Tank ID: 167259
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 20000
Install Date: 04/01/1975
Date Tank Closed: 07/01/2006
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported

WATERFRONT SCHOOL #95 (Continued) **U003318023**

Pipe Model: Not reported
Modified By: LDGOMEZ
Last Modified: 05/16/2008

Equipment Records:

H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

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131 WNW 1/4-1/2 0.402 mi. 2125 ft. **CITY OF BUFFALO PROJECT** **LTANKS** **S105996144**
PENNSYLVANIA AVE & 4TH ST **N/A**
BUFFALO, NY

Relative: Lower

Actual: 589 ft.

LTANKS:

Site ID: 300834
Spill Number/Closed Date: 0203114 / 9/5/2002
Spill Date: 6/24/2002
Spill Cause: Tank Failure
Spill Source: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 1502
Investigator: JFOTTO
Referred To: Not reported
Reported to Dept: 6/24/2002
CID: 207
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: 6/25/2002
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 6/24/2002
Spill Record Last Update: 9/26/2002
Spiller Name: SHARON WEST
Spiller Company: BUFFALO MUNICIPAL HOUSING
Spiller Address: 300 PERRY STREET
Spiller City,St,Zip: BUFFALO, NY 14204-
Spiller County: 001
Spiller Contact: JOHN YENSAN
Spiller Phone: (716) 856-3333
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 243294
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JFO"06/24/02 JFO ON SITE MET WITH JOHN YENSAN. THIS SITE IS BOARDERED BY 4TH STREET, PENNSYLVANIA STREET, LAKEVIEW AVENUE AND

CITY OF BUFFALO PROJECT (Continued) **S105996144**

CENTENNIAL WALK. THERE IS OIL ON THE SOME WATER IN THE PIT. JOHN WILL PUMP OUT THE WATER AND OIL TOMORROW AND DISPOSE. THE SOIL WILL BE REMOVED AND STAGED ON SITE AND COVERED. THEY WILL SAMPLE THE EXCAVATION, SIDEWALLS AND BOTTOM FOR 8021 AND 8270.JOHN NEEDS A TREATMENT LETTER.06/25/02 JFO ON STIE MET WITH JOHN YENSAN. THERE IS A CONCRETE SLAB IN THE TANK PIT. THE EAST AND WEST WALLS ARE ALSO CONCRETE. JOHN Y WILL SAMPLE SOIL AROUND THE CONCRETE SLAB FOR THE BOTTOM SAMPLE AND SAMPLE THE NORTH AND SOUTH WALLS. ANALYZE FOR 8021 AND 8270, HE WILL FORWARD THE RESULTS ALONG WITH THE DISPOSAL RECEIPTS.09/05/02 JFO REC'D THE CLOSURE PACKET. SAMPLE RESULTS ARE BELOW DETECTION FOR ALL 3 SAMPLES ON BOTH 8021 & 8270. DISPOSAL RECEIPTS ARE ALSO INCLUDED. NO FURTHER ACTION REQUIRED.CLOSED09/26/02 JFO SENT CLOSURE LETTER TO BMHA AND CC'D PANAMERICAN ENV.

Remarks: A 20,000 GALLON FUEL OIL TANK WAS REMOVED FROM THE GROUND AND CONTAMINATION WAS DISCOVERED.

Material:

Site ID:	300834
Operable Unit ID:	853964
Operable Unit:	01
Material ID:	520944
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AB132 **NOCO ENERGY** **LTANKS** **S103238563**
NNW **577 NIAGARA STREET** **N/A**
1/4-1/2 **BUFFALO, NY**
0.433 mi.
2285 ft. **Site 2 of 2 in cluster AB**

Relative:
Higher

Actual:
619 ft.

LTANKS:

Site ID:	93485
Spill Number/Closed Date:	8706103 / 10/21/1987
Spill Date:	10/19/1987
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Cleanup Ceased:	10/21/1987
Cleanup Meets Standard:	True
SWIS:	1502
Investigator:	ROSS
Referred To:	Not reported
Reported to Dept:	10/20/1987
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	10/20/1987

NOCO ENERGY (Continued) **S103238563**

Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/20/1987
Spill Record Last Update:	1/3/1996
Spiller Name:	Not reported
Spiller Company:	NOCO ENERGY
Spiller Address:	RIVER ROAD
Spiller City,St,Zip:	TONAWANDA, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	83810
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "LQR" / / : LQR ONS SITE 10/20/87 NOCO OIL CO CLEANING UP SPILLAGE,BUILDING EVACUATED BY F.D. / / : LQR ONS SITE 10/20/87 NOCO OIL CO CLEANING UP SPILLAGE,BUILDING EVACUATED BY F.D.;LQR TELCON 10/21/87 AFFECT. PARTY SPILLER CLEANED UP.
Remarks:	275 GAL FUEL OIL TANK FILLED AND LEAKED ON TO BASEMENT FLOOR AND TO STORM REWER DRAIN

Material:

Site ID:	93485
Operable Unit ID:	909916
Operable Unit:	01
Material ID:	465123
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	150
Units:	Gallons
Recovered:	150
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

133
SE
1/4-1/2
0.453 mi.
2391 ft.

Relative: Higher

Actual: 599 ft.

GAS STATIONS NIA-MOHAWK **LTANKS** **S100119729**
NIAGARA STREET AT MOHAWK **N/A**
BUFFALO, NY

LTANKS:

Site ID:	285881
Spill Number/Closed Date:	8709512 / 7/30/1990
Spill Date:	2/9/1988
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	7/30/1990
Cleanup Meets Standard:	True

GAS STATIONS NIA-MOHAWK (Continued) **S100119729**

SWIS:	1502
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	2/9/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	7/30/1990
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/26/1988
Spill Record Last Update:	8/24/2000
Spiller Name:	Not reported
Spiller Company:	LOUIS MAGGIOTTO
Spiller Address:	137 NIAGARA STREET
Spiller City,St,Zip:	BUFFALO, NY 14207
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	231740
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JDC"02/26/88: DEC LOOKING AT SEVERAL LOCATIONS ON NIAGARA ST AS POSSIBLE SOURCES. 112 AND 139 NIAGARA. BOTH LOCATIONS ARE ABAANDONED SERVICE STATIONS USED FOR CITY PARKING. BOTH LOCATIONS HAVE BEEEN CONTACTED. 03/14/88: JDC SPOKE W/ MR LAMONTE 3/14/88 REGARDING DISPOSAL REQUIREMENTS - EXPLAINED TO HIM DISPOSAL PROCESS AS IT INVOLVES THE DEPT. REQUESTED HE FORWARD ALL DISPOSAL RECEIPTS WHEN COMPLETE. 03/14/88: JDC MET W/ MARSHAL KIMMONS ON 3/12/88 TO OBSERVE TANK REMOVAL. ALL TANKS WERE GONE FROM SITE W/ EXCAVATION FILLED IN. REEXCAVATED AND REMOVED ~ 20 CU YDS OF SOIL FOR DISPOSAL. WILL INSPECT TANKS. 03/21/88: JDC HAD CONVERSATION W/ MR LAMONTE AND MR MAGIOTTO ON 3/18/88 REGARDING THE CROSS CONTAMINATION OF EXCAVATED SOILS FROM BOTH PROPERTIES. REQIRED THEM TO RESOLVE PROBLEM TO INSURE SATISFACTORY CLEANUP. 04/27/88: JDC ON SITE AND BAILED WELL #3 FOR SHEEN OR PRODUCT - NON E DETECTED. 05/13/88: JDC ON SITE 5/10/88 AND FOUND 1/2 INCH PRODUCT IN #1 WELL. WILL CONTACT ENVIRONMENTAL OIL FOR RECOVERY. 06/09/88: JDC ON SITE AND BAILED WELLS #1 & #3. FOUND PRODUCT ~1" IN WELL #1. JDC CONTACTED ENVIRO OIL AND REQUESTED RECOVERY OF PRODUCT. CONSIDERING A FULL TIME RCOVERY SYSTEM. 06/28/88: GASOLINE FOUND IN SEWER TRENCH SOUTH EAST OF #1 MONITORING WELL APPROXIMATELY 25 FT AWAY AND 8 FT DOWN IN THE EXCAVATION. WILL CONFERE W/ PETER MILLER, GEO. DEC. 07/12/88: ENVIROBNMENTAL OIL HIRED TO PERFORM SOILGAS SURVEY. START DATE UNKNOWN AT PRESENT TIME. 07/19/88: WORK TO BEGIN FOR SOIL GAS SURVEY WEEK OF 7/25/88.07/19/88: PRM, JDC ON-SITE WITH ENVIRONMENTAL OIL TO ASSESS SITE FOR SOIL VAPOR SURVEY. 08/10/88: JDC DISCOVERED UNDERGROUND TANK AT THE STATLER ON W. MOHAWK OPPOSITE MAGGOTTO SERVICE 125 YRDS TO THE EAST. HAVE REQUESTED STATLER MGMT TO COMPLY W/ BULK STORAGE REQUIREMENTS. 08/10/88: PRM ON SITE WITH PERSONNEL OF ENVIRONMENTAL OIL, SCOTT GRABER & TWO OTHERS, TO CONDUCT SOIL VAPOR SURVEY. PORTABLE GAS CHROMATOGRAPH USED TO ANALYZE VAPORS. PROBES INSERTED ABOUT 3' INTO GROUND. 08/11/88: PRM ON SITE WITH JDC AND ENV OIL PERSONNEL. SEVERAL POINTS HAVE BEEN PLACED AROUND SITE WITH MOST RESULTS BELOW QUANTIFIABLE LIMITS. ONE VAPOR STAKE NEAR FRONT OF MOBIL STATION HAD

GAS STATIONS NIA-MOHAWK (Continued) **S100119729**

HIGH BENZENE. 09/21/88: JDC ON SITE W/ JEFF EDWARDS OF ENVIRONMENTAL OIL AND PETE MILLER AREA GEOLOGIST, DEC TO IDENTIFY ADDITIONAL VAPOR SOIL SITES. ADDITIONAL SITES TO DRILLED IN NEXT FEW WEEKS. 09/29/88: JDC SPOKE W/ MR LAMONTE AND REQUESTED DISPOSAL RECIEPTS 09/27/88. JDC SPOKE TO MR GINGER, WD HASSETT CO REQUESTING TANK REMOVAL STATUS. ADDITIONAL WELLS WILL BE PLACED. 11/09/88: JDC SPOKE W/ JIM GRIEG, ENVIRO. OIL AND REQUESTED SECOND HALF OF SOIL VAPOR STUDY AND WELL MONITORING REPORT. 11/15/88: JDC REVIEW SOIL SURVEY AND DETERMINED NO CLEAR SOURCE COULD BE IDENTIFIED. WILL MONITOR WELLS UNTILL NO SHEEN IS PRESENT. DRAFTED STATUS LETTERS TO AFFECTED PARTIES. 12/05/88: JDC ON SITE 12/5/88 AND BAILED WELLS I AND 3. NO PRODUCT OR SCHEEN DETECTED. 05/25/89: JDC TELCON FROM MR MAGIOTTO REGARDING CLEANUP STATUS. EXPLAIND TO CALLER THAT CLEANUP IS COMPLETE AND THAT HE WOULD BE RECIEVING A STATUS LETTER. 03/27/90: JDC INSPECTED CITY OF BUFFALO PROPERTY AND FOUND NO DRUM(S) W/ WASTE MATERIALS FOR DISPOSAL. CONTACTED D MENDEL ENVIRONMENTAL SERVICE ON DISPOSL STATUS, CITY NOT RESPONDING TO A DISPOSAL REQUIREMENT.07/11/90: JDC SENT LETTER TO MS FRANDINA REQUESTING SOIL DISPOSAL RECEIPTS. 07/18/90: JDC RECIEVED LETTERFROM MS FRANDINA STATING ALONG W/ A RECEIPT THAT DRUM DISPOSAL IS COMPLETE. 07/30/90: JDC INSPECTED SITE AND FOUND DRUM DISPOSAL COMPLETE. NO FURTHER ACTION WILL BE REQUIRED. WILL PROCESS FOR CLOSER.
Not reported

Remarks: NATIONAL FUEL GAS FOUND GASOLINE IN A UTILITY EXCAVATION AT NIAGARA AND MOHAWK STREETS

Material:

Site ID:	285881
Operable Unit ID:	914943
Operable Unit:	01
Material ID:	464839
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	110
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

134
SE
1/4-1/2
0.455 mi.
2403 ft.

THADDEUS J DULSKI FEDERAL BUILDING
US GENERAL SERVICES ADMIN
BUFFALO, NY 14202

RCRA NonGen / NLR **1000212561**
LTANKS **NY2470000256**
MANIFEST
NY Spills

Relative:
Higher

Actual:
605 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	THADDEUS J DULSKI FEDERAL BUILDING
Facility address:	US GENERAL SERVICES ADMIN 111 W HURON ST BUFFALO, NY 14202
EPA ID:	NY2470000256
Mailing address:	W HURON ST ROOM 1521 111

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

W HURON ST
BUFFALO, NY 14202
Contact: JOHN L CARSON
Contact address: W HURON ST ROOM 1521 111
BUFFALO, NY 14202
Contact country: US
Contact telephone: (716) 551-4588
Telephone ext.: 222
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: GENERAL SERVICES ADMINISTRATION
Owner/operator address: 111 W HURON ST
BUFFALO, NY 14202
Owner/operator country: US
Owner/operator telephone: (716) 846-4588
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GENERAL SERVICES ADMINISTRATION
Owner/operator address: 111 W HURON ST
BUFFALO, NY 14202
Owner/operator country: US
Owner/operator telephone: (716) 846-4588
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: THADDEUS J DULSKI FEDERAL BUILDING
Classification: Not a generator, verified

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

Date form received by agency: 02/25/2002
Facility name: THADDEUS J DULSKI FEDERAL BUILDING
Classification: Large Quantity Generator

Date form received by agency: 12/04/1992
Facility name: THADDEUS J DULSKI FEDERAL BUILDING
Site name: GENERAL SERVICES ADMINISTRATION
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/11/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

LTANKS:
Site ID: 77288
Spill Number/Closed Date: 9713225 / 7/31/1998
Spill Date: 2/23/1998
Spill Cause: Tank Overfill
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 1502
Investigator: FXGALLEG
Referred To: Not reported
Reported to Dept: 2/26/1998
CID: 999
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: 7/31/1998
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2/26/1998
Spill Record Last Update: 10/8/1999
Spiller Name: JOHN CARSON
Spiller Company: GENERAL SERVICES ADMIN.
Spiller Address: 111 WEST HURON ST RM 1506
Spiller City,St,Zip: BUFFALO, NY 14202-
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 72142
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FG"6/4/98 MET JOHN CARSON WITH GENERAL SERVICES ADMIN, JOE SALM WITH ELMWOOD TANK ON SITE. VENT LINE WAS OVERFILLED AT SOME POINT AND HAD STARTED CAUSING ODOR PROBLEMS IN THE BUILDING. THE SOILS AROUND THE VENT HAD BEEN UNCOVERED AND WERE CONTAMINATED WITH FUEL OIL. THE SOIL WAS TRUCKED DIRECTLY TO MODERN LANDFILL. THE SITE WAS TO BE RESTORED.

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

THERE WAS NO PROBLEM WITH THE UST'S. 7/31/98 RECD SOIL DISPOSAL RECPTS AND EXCAVATION ANALTYICAL RESULTS. EXCAVATION RESULTS BELOW STARS. FG SITE INSPECTION. SITE HAS BEEN RESTORED. SITE CAN BE CLOSED. NO FURTHER WORK REQUIRED.

Remarks: Not reported

Material:
Site ID: 77288
Operable Unit ID: 1056142
Operable Unit: 01
Material ID: 324243
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 77288
Spill Tank Test: 1545642
Tank Number: Not reported
Tank Size: 12000
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

NY MANIFEST:
EPA ID: NY2470000256
Country: USA
Mailing Name: GENERAL SERVICES ADMIN
Mailing Contact: GENERAL SERVICES ADMIN
Mailing Address: 111 W HURON ST
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14202
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 000-000-0000

Document ID: NYB4166964
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: OHT402BS
Trans2 State ID: Not reported
Generator Ship Date: 930305
Trans1 Recv Date: 930305
Trans2 Recv Date: Not reported

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

TSD Site Recv Date: 930312
Part A Recv Date: Not reported
Part B Recv Date: 930405
Generator EPA ID: NY2470000256
Trans1 EPA ID: OHD987012838
Trans2 EPA ID: Not reported
TSDF ID: NVT330010000
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 01200
Units: K - Kilograms (2.2 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 045
Year: 93

Document ID: PAX9597350
Manifest Status: Not reported
Trans1 State ID: NYD986980753
Trans2 State ID: PAR000037226
Generator Ship Date: 07/09/2001
Trans1 Recv Date: 07/09/2001
Trans2 Recv Date: 07/12/2001
TSD Site Recv Date: 07/12/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY2470000256
Trans1 EPA ID: PAD067098822
Trans2 EPA ID: Not reported
TSDF ID: PAAH45742
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00250
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

Document ID: NYG2518011
Manifest Status: Not reported
Trans1 State ID: NYD986980753
Trans2 State ID: Not reported
Generator Ship Date: 07/10/2001
Trans1 Recv Date: 07/10/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/16/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY2470000256
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: 45742JD
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00004

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	082
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

SPILLS:

Facility ID:	0275213
DER Facility ID:	72142
Facility Type:	ER
Site ID:	77287
DEC Region:	9
Spill Date:	7/23/2002
Spill Number/Closed Date:	0275213 / 1/7/2003
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1502
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	7/23/2002
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1/7/2003
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/23/2002
Spill Record Last Update:	1/7/2003
Spiller Name:	LINDA FARLEY
Spiller Company:	GENERAL SERVICES ADMIN.
Spiller Address:	111 WEST HURON ST
Spiller City,St,Zip:	BUFFALO, NY 14202-
Spiller Company:	001
Contact Name:	LINDA FARLEY
Contact Phone:	(716) 551-4588 223
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RMC"07/24/2002 RMC/LINDA FARLEY/MICHAEL KING/SITE. OIL IN THERMAL SNOW MELT SYSTEM IS LEAKING. POTENTIALLY FROM 1/4 TURN BALL ISOLATION VALVES. RMC WENT OVER SEVERAL OPTION. THEY WILL CONSIDER AND GET BACK TO DEC. UPDATE 8/15/0208/26/02 RMC/FILE. LEFT MESSAGE FOR LINDA FARLEY TO CALL, CALL DUE 8/31/0210/01/02 RMC/FILE. DID RECEIVE A CALL BACK THEY ARE WORKING ON A REPORT, DUE 12/1/0201/07/03 RMC/FILE. NEVER RECEIVED A WRITTEN REPORT. THE THE GSA REPORTED VERBALLY THAT THE SYSTEM WAS TESTED BY FLEISCHMANN SERCIVE CORP, NO LEAKS WERE FOUND, FURTHER RMC HAS CHECKED THE RAMP SEVERAL TIMES IN THE LAST 6 MONTHS AND FOUND NO FURTHER PROBLEM, NO ACTION REQUIRED, CLOSE OUT
Remarks:	CALLER SAID (#21 OIL) SNOW MELT SYSTEM IS LEAKING OIL - RUNNING DOWN RAMP. ELMWOOD TANK & PIPING IS CONTAINING OIL & CLEANING UP WHAT THEY CAN. CALLER CONCERNED OIL IS RUNNING INTO SOIL UNDER RAMP.

Material:

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

Site ID:	77287
Operable Unit ID:	867971
Operable Unit:	01
Material ID:	507574
Material Code:	9999
Material Name:	Other -
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0613929
DER Facility ID:	72142
Facility Type:	ER
Site ID:	379072
DEC Region:	9
Spill Date:	3/19/2007
Spill Number/Closed Date:	0613929 / Not Reported
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1502
Investigator:	fxgalleg
Referred To:	Not reported
Reported to Dept:	3/28/2007
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	4
Date Entered In Computer:	3/28/2007
Spill Record Last Update:	8/16/2013
Spiller Name:	DAVE FLYNN
Spiller Company:	FORMER FEDERAL BUILD
Spiller Address:	111 WEST HERON STREET
Spiller City,St,Zip:	BUFFALO, NY
Spiller Company:	001
Contact Name:	DAVE FLYNN
Contact Phone:	(716) 847-5473
DEC Memo:	4/12/07 FG SPOKE TO DOUG REID AND HE SAID THAT A REPORT WILL BE FORTHCOMING WITHIN THE NEXT WEEK AND HE WILL FORWARD A COPY TO THIS OFFICE.THERE HAS ALREADY BEEN A BCP PREAPPLICATION MEETING ON THIS SITE ON 3/30/07.10/24/08 DKK NOTIFIED FG THAT THE SITE WAS NOT ACCEPTED INTO THE BCP PROGRAM. LETTER SENT TO MICHAEL HUNTRESS WITH UNIQUEST DELAWARE, LLC 100 CORPORATE PKWY, SUITE 500, AMHERST, NY 14226 REQUESTING A SITE STATUS UPDATE BY 11/7/08.11/18/08 DOUG REID

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

WITH LCS CALLED AND SAID HE WILL SUBMIT A REMEDIAL PROPOSAL FOR THE CONTAMINATION DISCOVERED AT BH4. HE WILL HAVE SOMETHING IN WITHIN THE NEXT SEVERAL WEEKS.2/6/09 DOUG REID WITH LCS CALLED AND SAID THAT HE SUBMITTED A REMEDIAL PROPOSAL TO THE CLIENT AND IS EXPECTING TO GET APPROVAL SHORTLY. HE WILL LET US KNOW ASAP.4/3/09 LETTER SENT TO UNIQUEST NAMING THEM AS AN RP AND REQUESTING A REMEDIAL PROPOSAL BY 4/22/09.5/8/09 NATURE'S WAY FOR LCS INSTALLED A HIVAC WELL. LCS WILL COMPLETE THE HIVAC PROJECT AND NOTIFY THE DEPT OF THE RESULTS. MONTHLY GW SAMPLES WILL BE COLLECTED TO DETERMINE THE EFFECTIVENESS.7/24/09 FG SPOKE WITH DOUG REID WITH LCS. HE SAID THEY HAVE BEEN CONTINUING THE HI VAC PROGRAM AND ARE CONSIDERING AN ALTERNATE COLLECTION SYSTEM. THEY WILL SUBMIT A LETTER DOCUMENTING THE WORK TO DATE AND PROPOSING AN ALTERNATE REMEDIAL APPROACH WITHIN THE NEXT SEVERAL WEEKS.10/29/09 FG CONTACTED DOUG REID REQUESTING AN UPDATE ON THIS SITE. AWAITING HIS RESPONSE.10/29/09 DOUG REID RESPONDED INDICATING THAT THE REPORT HAS BEEN ISSUED TO THE CLIENT AND WILL BE SUBMITTED WITHIN THE NEXT FEW WEEKS.2/25/10 FG RECEIVED THE LCS 10/26/09 REMEDIATION SERVICES WORK PLAN. LCS WANTS TO UTILIZE A PASSIVE SKIMMER TO COLLECT OIL AND EVALUATE AFTER ONE YEARS TIME. THE DEPT APPROVED THE PROPOSAL WITH QUARTERLY REPORTS BEING REQUIRED.6/2/11 FG REQUESTED AN UPDATE ON THE STATUS OF THE PROJECT.6/2/11 DOUG REID WITH LCS PROVIDED A RESPONSE: We have a summary report together and were waiting for comment back from the client. In summary, the product we were finding in the well has been removed wither through high vacuum extraction or a passive bailer. We want to proceed monitoring the groundwater to make sure the product does not return and to determine the levels of dissolved phase hydrocarbons present.I will put a call into the client and request permission to send you a copy. Of the latest summary reportDouglas B. ReidSr. VP, Environmental Services Sr. Environmental ScientistLCS, Inc.Waterfront Village Center40 La Riviere DriveSuite 120Buffalo, NY 14202(800) 474-6802(716) 845-6145(716) 845-6164 FAX6/2/11 LCS PROVIDED THE REMEDIATION SERVICES UPDATE LETTER DATED MAY 17, 2011 REQUESTING THAT THE DEPARTMENT ALLOW QUARTERLY MONITORING. 11/8/11 FG REQUESTED AN UPDATE ON THE SITE FROM DOUG REID.11/9/11 DOUG REID WITH LCS PROVIDED THE FOLLOWING UPDATE: We sampled the well again last week. We will be preparing a summary report for that sampling event as well as the previous event. We have two additional quarterly sampling event planned. Hopefully, the results will be sufficient at that time to obtain inactivation of the spill.Douglas B. ReidSr. VP, Environmental ServicesSr. Environmental ScientistGeneral Manager - Buffalo1-800-474-68021/25/12 FG REQUESTED THAT DOUG REID PROVIDE AN UPDATE ON THE STATUS OF THE SITE. 1/26/12 LCS SUBMITTED THE 12/12/11 QUARTERLY GW MONITORING REPORT FOR THE SITE. GW SAMPLES WERE COLLECTED AT THE EXTRACTION WELL ON 8/2/11 AND 11/2/11. THE TOTAL 8260 AND 8270 RESULTS FOR THE AUGUST SAMPLE IS 277.1 PPB. THE TOTAL 8260 AND 8270 RESULTS FOR THE NOVEMBER SAMPLE IS 1962.9 PPB. LCS WILL PERFORM THE NEXT SAMPLING EVENT THE WEEK OF 2/2/12. FOLLOWING COMPLETION OF THE 4TH QUARTER SAMPLING EVENT, LCS WILL REQUEST COMMENT FROM THE NYSDEC AS TO WHETHER OR NOT FURTHER WORK WILL BE REQUIRED.6/22/12 FG CONTACTED DOUG REID WITH LCS TO REQUEST AN UPDATE ON THE STATUS OF THE SITE.12/20/12 LCS SUBMITTED THE STATUS REPORT FOR THE DECEMBER 2012 INSPECTION. PRODUCT CONTINUES TO BE PRESENT. INSPECTIONS WILL CONTINUE UNTIL NO FURTHER PRODUCT IS EVIDENT.3/25/13 LCS PROVIDED THE FOLLOWING UPDATE: Hello Francine,Please see the attached for the latest report on the well at 111 West Huron Street. There is still visible product, but the petroleum presence has

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

decreased within the past month. We are hopeful that we will be able to sample soon. Thanks again and please let me know if you have any questions.Maggie PopekEnvironmental AnalystLCS, Inc.mpopek@lenderconsulting.comLCS SUBMITTED THE 3/25/13 GROUNDWATER MONITORING 1/13 - 3/13 REPORT. AS A RESULT OF THE PRESENCE OF FUEL OIL FLOATING ON TOP OF THE GROUNDWATER DURING 9/12 THROUGH 3/13 MONITORING EVENTS, GROUNDWATER SAMPLES WERE NOT COLLECTED FRO ANALYSIS. LCS WILL INSPECT THE ABSORBENT SOCK ON A BI-WEEKLY BASIS. ONCE NO PRODUCT IS EVIDENT, LCS WILL RESUME QUARTERLY GW MONITORING. LCS WILL ISSUE THE NEXT INSPECTION REPORT IN JUNE 2013.4/23/13 LCS PROVIDED THE FOLLOWING UPDATE AND REPORT: Hello Francine,Please see attached for the latest report for the Avant well - 111 West Huron Street in Buffalo, New York. Based on recent field observations and a sampling event conducted on April 3, we are requesting that spill number 0613929 be assigned an "inactive" status. Thanks again and please let us know if you have any questions about this report.Maggie PopekEnvironmental AnalystLCS, Inc.GROUNDWATER SAMPLE WAS COLLECTED AND ONLY A SHEEN WAS PRESENT AND VERY MINOR EXCEEDANCE OF GW STANDARDS. REPORT DOES NOT STATE WHEN ORC SOCK WAS REMOVED. FG ASKED LCS AND IS AWAITING A RESPONSE. STANDARD IS FOR 4 QUARTERS OF DATA AFTER TREATMENT IS COMPLETED.LCS PROVIDED THEIR RESPONSE: Hi Francine,Thanks for the email. We removed the sock at the time of sampling in early April. So we need to sample for another 4 quarters before the spill can be made inactive? Thanks again,Maggie8/16/13 LCS PROVIDED THE FOLLOWING UPDATE:Hello Francine,Attached is the latest report for 111 West Huron. Please let us know if you have any questions or comments. The next quarterly sampling event is scheduled for October.MaggieLCS1-800-474-6802THE WATER SAMPLE COLLECTED SHOWS THE FOLLOWING RESULTS PPB FROM A WATER SAMPLE COLLECTED FROM THE WELL:ETHYLBENZENE 1.6, NAPHTHALENE 5.2, N-PROPYLBENZENE 1.8, 124 TRIMETHYLBENZENE 4.1, ANTHRACENE 5.1, ACENAPHTHENE 9.0, ACENAPHTHYLENE 1.7, BENZO(A)ANTHRACENE 1.5, BENZO(A)PYRENE .33, BENZO(B)FLUORANTHENE .26, BENZO(GHI)PERYLENE .11, BENZO(K)FLUORANTHENE .094, CHRYSENE 1.3, FLUORANTHENE 2.7, FLUORENE 9.7, INDENO(1,2,3-CD)PYRENE .071, NAPHTHALENE 7.8, PHENANTHRENE 57, PYRENE 14.THE NEXT SAMPLING EVENT IS SCHEDULED FOR OCTOBER 2013.

Remarks: VACANT BUILDING: AND IS AN HISTORIC SPILL;

Material:

Site ID:	379072
Operable Unit ID:	1136565
Operable Unit:	01
Material ID:	2126506
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID: 0075500

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

DER Facility ID:	102198
Facility Type:	ER
Site ID:	117486
DEC Region:	9
Spill Date:	11/17/2000
Spill Number/Closed Date:	0075500 / 6/15/2001
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	11/17/2000
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	4/23/2001
Recommended Penalty:	True
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/17/2000
Spill Record Last Update:	11/13/2002
Spiller Name:	JOHN CARSON
Spiller Company:	FEDERAL BLDG
Spiller Address:	111 W. HURON ST
Spiller City,St,Zip:	BUFFALO, NY 14202-
Spiller Company:	001
Contact Name:	JOHN CARSON
Contact Phone:	(716) 551-4588 222
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FG"11/17/00 FG SITE INSPECTION. MET HAROLD PORTER FROM PROMATEK, CONTRACTED AS THE INSPECTOR ON THIS JOB BY GSA (716)551-3043. SPOKE TO DAVE WEAVER WITH STROCK 570-0834, PROJECT MANAGER FOR THE UST REMOVALS. TWO 12000 GALLON FUEL OIL UST'S WERE BEING REMOVED AND CONTAMINATION WAS DISCOVERED WHERE THEY STARTED, AT THE SOUTHWEST CORNER. WATER WAS DRAINING IN TO THE EXCAVATED AREA. THEY ARE TESTING THE WATERS AND SOIL FOR DISPOSAL. THEY WILL REMOVE THE UST'S ONCE THEY GET DISPOSAL APPROVAL. THEY WILL CONTACT ME ONCE THEY HAVE A PLAN FOR THE REMOVAL. THERE ARE CONCRETE SIDES AND A BOTTOM SURROUNDING THE UST'S.12/7/00 WORK CONTINUING ON SITE. ATTEMPTING TO REMOVE THE UST.12/11/00 FG SITE INSPECTION. UST'S REMOVED. DISCOVERED THAT THE SIDES AND BOTTOM ARE CONCRETE. CONTAMINATION IS TO BE DUG OUT TO THE CONCRETE AND DISPOSED. A PERMIT TO DISCHARGE TO THE BSA WAS RECEIVED AND THEY HAVE PUMPED TANK PIT WATERS TO THE SEWER ALREADY. IT WILL TAKE SEVERAL DAYS TO COMPLETE THE EXCAVATION.12/15/00 EXCAVATION IN CONCRETE VAULT COMPLETE EXCEPT FOR A MINOR AMOUNT IN THE WEST END. COULD SEE THE CONCRETE BOTTOM AND SIDES. THE NEW TANK WILL BE INSTALLED ON SATURDAY. THEY COULD NOT GET A BOTTOM OR SIDEWALL SAMPLE. THEY WILL COLLECT A SOIL SAMPLE FROM THE TWO FEET OF SOIL ABOVE THE CONCRETE WALL ON THE WEST SIDE. THERE IS NO BREECH IN THE CONCRETE WALLS OR BOTTOM. THE CONTAMINATED SOIL IS STAGED ON SITE AND WILL BE DISPOSED OF.12/21/00 MIKE COLELLA WITH GSA AND BUD PORTER CALLED. THEY DISCOVERED THAT THE WEST END OF THE EXCAVATION HAS NO CONCRETE BOTTOM. THEY DUG 3 FT BELOW THE LEVEL OF

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

THE CONCRETE IN THAT SECTION AND FOUND NO BOTTOM. THEY CANNOT DIG ANY FURTHER DUE TO BUILDING FOUNDATIONS AND CAVING CONSIDERATIONS. THEY COLLECTED A BOTTOM AND SIDEWALL SAMPLE AND WILL HAVE THEM ANALYZED. THEY BACKFILLED WITH LARGE GRAVEL AND COMPACTED. THEY WILL NOW INSTALL THE NEW UST'S AND COMPLETE ADDITIONAL INVESTIGATION IF NECESSARY ONCE THE EXCAVATION SOIL SAMPLE RESULTS HAVE BEEN RETURNED.02/06/01: KAB/DAVE WEAVER, STROCK CONSTRUCTION, VISITED OFFICE. MR. WEAVER ADVISED THAT HIS SUPERIOR TOLD HIM THAT HE RECEIVED A PHONE CALL FROM THE DEC ADVISING THAT THEY WERE "OUT OF COMPLIANCE" BECAUSE THE NECESSARY PAPERWORK HADN'T BEEN SUBMITTED FOR THE PROJECT. MR. WEAVER ADVISED THAT HE IS STILL WAITING FOR SOME OF HIS MANIFESTS TO COME BACK AND WAS PUTTING ALL OF HIS PAPERWORK TOGETHER BEFORE SUBMITTING A CLOSURE REPORT. BECAUSE FEDERAL GUIDELINES ARE MORE STRINGENT THAN THE STATE'S, HE IS REQUIRED TO PUT A COMPLETE REPORT TOGETHER FOR THEM AND WANTED TO DUPLICATE IT FOR DEC. HE WILL BE ON VACATION NEXT WEEK. HE WILL SUBMIT COMPLETE CLOSURE REPORT BY THE END OF THIS MONTH.3/12/01 TANK CLOSURE REPORT SUBMITTED. ALL DISPOSAL RECEIPTS SUBMITTED. THE EXCAVATION ANALYTICAL RESULT FOR THE ENTIRE EXCAVATION EXCEPT THE CONTAMINATED SECTION ON THE WEST SIDE ONLY SLIGHTLY EXCEEDS STARS FOR NAPHTHALENE. THE CONTAMINATED WEST SIDE OF THE EXCAVATION GREATLY EXCEEDS STARS FOR 8021 & 8270. THE TOTAL VALUE FOR THIS SAMPLE IS 437473 PPB. INVESTIGATION AND REMEDIATION IS NECESSARY.3/19/01 FG SITE INSPECTION. MET KEITH COLELLA WITH GSA ON SITE. HE WILL COMPLETE RESAMPLING AT THE IMPACTED AREA. HE MAY COMPLETE ADDITIONAL BORINGS. HE WILL LET ME KNOW WITHIN THE NEXT SEVERAL DAYS.3/20/01 HAROLD PORTER SUBMITTED A PLAN OF ACTION BASED ON OUR 3/19/01 MTG. THEY WILL COLLECT TWO SAMPLES FROM THE WEST SIDE OF THE UST PIT. THE SAMPLES WILL BE ANALYZED AND SUBMITTED FOR REVIEW.4/4/01 RECD SOIL SAMPLE DATA FROM BORINGS COMPLETED WEST OF THE UST EXCAVATION. THE RESULTS ARE GREATLY ELEVATED ABOVE STARS. MR. PORTER SAID THAT KEITH COLELLA IS GETTING ANOTHER CONTRACT FOR THE ADDITIONAL OFF SITE WORK. THEY WILL TALK WITH THE CITY OF BFLO REGARDING ACCESS TO COMPLETE SAMPLING ON ELMWOOD. THEY WILL GET BACK TO ME WITH A PLAN FOR THE WORK.4/5/01 KEITH COLELLA CALLED AND STATED THAT HE WOULD LIKE TO HAVE NYSDEC COMPLETE THE WORK OFF SITE. HE UNDERSTANDS THAT IF THE FEDERAL GOVERNMENT IS DETERMINED TO BE RESPONSIBLE, THEY WILL BE REQUIRED TO REIMBURSE THE STATE OF NEW YORK. HE WOULD LIKE TO BE NOTIFIED OF THE START AS HE WOULD LIKE TO BE ON SITE DURING THE WORK. BUD PORTER ALSO NEEDS TO BE NOTIFIED.4/6/01 FG MET DALE GRAMZA ON SITE. HE WILL SCHEDULE THE SUBSURFACE INVESTIGATION AFTER APRIL 23, 2001. 4/23/01 FG MET NATURE'S WAY ON SITE. GEOPROBING IN THE STREET ON ELMWOOD AVE. NO CONTAMINATION DISCOVERED. ADDITIONAL PROBING ON THE SIDEWALK TOMORROW TO BE COMPLETED.5/3/01 RECD ANALYTICAL RESULTS FROM BORINGS. ALL RESULTS BELOW TAGM LEVELS. WAITING FOR REPORT FROM NATURE'S WAY TO CLOSE INACTIVATE.5/21/01 PROCESSED LOZIER/EXPRESSLAB PAYMENT PACKAGE FOR $920.40. SAMPLES WERE COLLECTED ON 4/23/01.5/24/01 RECD SUBSURFACE INVESTIGATION REPORT WHICH SHOWS THAT NO CONTAMINATION EXISTS OFF SITE. 9 BORINGS WERE COMPLETED IN THE SIDEWALK AND ON THE STREET OF ELMWOOD AVE. NO FURTHER WORK WILL BE REQUIRED. AWAITING PAYMENT PACKAGE FROM NATURE'S WAY IN ORDER TO INACTIVATE THE SITE DUE TO THE HIGH LEVELS OF CONTAMINATION REMAINING ON SITE THAT ARE INACCESSIBLE.6/15/01 RECD NATURE'S WAY PAYMENT PACKAGE FOR GEOPROBE AND REPORT. NO FURTHER WORK ON THE SITE IS NECESSARY. THE SITE CAN BE MADE INACTIVE.

Remarks: TWO USTS WERE REMOVED. CONTAMINATION WAS DISCOVERED. ONE NEW TANK TO BE INSTALLED. APPROX 23 CUBIC YARDS OF CONTAMINATED MATERIAL REMOVED

THADDEUS J DULSKI FEDERAL BUILDING (Continued) **1000212561**

SO FAR.

Material:

Site ID:	117486
Operable Unit ID:	836858
Operable Unit:	01
Material ID:	539071
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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135 East 1/4-1/2 0.459 mi. 2424 ft.

Relative: Higher

Actual: 618 ft.

CONRAIL FRONTIER YARD ENGINE HOUSE **RCRA NonGen / NLR** **1000353066**
1870 BROADWAY **FINDS** **NYD000810960**
BUFFALO, NY **LTANKS**
TANKS
MANIFEST
NY Spills

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CONRAIL FRONTIER YARD ENGINE HOUSE
Facility address:	1870 BROADWAY BUFFALO, NY 142122056
EPA ID:	NYD000810960
Mailing address:	DELAWARE AVE BUFFALO, NY 14214
Contact:	Not reported
Contact address:	DELAWARE AVE BUFFALO, NY 14214
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED RAIL CORP
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Owner/operator name: CONSOLIDATED RAIL CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CONRAIL FRONTIER YARD ENGINE HOUSE
Classification: Not a generator, verified

Date form received by agency: 10/05/1998
Facility name: CONRAIL FRONTIER YARD ENGINE HOUSE
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: CONRAIL FRONTIER YARD ENGINE HOUSE
Site name: CONSOLIDATED RAIL CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: CONRAIL FRONTIER YARD ENGINE HOUSE
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 03/15/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/02/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004331544

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LTANKS:

Site ID: 236140
Spill Number/Closed Date: 9800039 / 6/1/1998
Spill Date: 4/1/1998
Spill Cause: Tank Overfill
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 6/1/1998
Cleanup Meets Standard: True
SWIS: 1502
Investigator: MXFRANKS
Referred To: Not reported
Reported to Dept: 4/1/1998
CID: 999
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: 4/1/1998
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 4/1/1998
Spill Record Last Update: 3/12/2002
Spiller Name: PETER TILLELI
Spiller Company: BENCHMARK MANAGEMENT CORP
Spiller Address: 4053 MAPLE ROAD
Spiller City,St,Zip: AMHERST, NY 14226-
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 194532
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MF"04/01/98: MNP INSP.TANKS REMOVED & EXCAVATION MOSTLY BACKFILLED. SPOKE W/ RICK CROUCH - BDC. MINOR CONTAMINATION WAS AROUND FILL PORTS, EXCAVATION SAMPLED & HE HAS PICTURES. NO RE-EXCAVATION NECESSARY. ABOUT 2 TRUCKLOADS OF SOIL ON PLASTIC. HE WILL SEND PHOTOS & SAMPLE RESULTS.05/07/98: MNP REVIEWED BDC 5/5/98 TANK CLOSURE REPORT. SAMPLE RESULTS MEET STARS #1, PICTURES SHOW NO VISIBLE

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

CONTAMINATION. 2 TRUCKLOADS (61.6 TONS) OF CONTAMINATED SOIL DISPOSED AT MODERN LANDFILL ON 4/7/98. ALSO, 1 DRUM OF TANK BOTTOM SLUDGE DISPOSED AT AMERICAN RECYCLERS ON 4/14/98. NO FURTHER WORK NEEDED, SENDING CLOSURE LETTER, COMPLETE.05/19/98: MF T/C/RICK CROUCH, BUFFALO DRILLING. WANTS CLOSURE LETTER. DON'T HAVE DISPOSAL RECEIPTS; ONLY 3 SIDES OF EXCAVATION SAMPLED. WANT TO KNOW WHY. HE CLAIMED HE ONLY BID 4 SAMPLES, 1 FROM BOTTON & 1 FROM 3 SIDES. ALSO TOOK OVER SPILL FROM MNP.06/01/98: MF RECEIVED SOIL DISPOSAL RECEIPTS, 61.7 TONS DISPOSED OF. CLOSURE LETTER SENT. NO FURTHER ACTION NECESSARY. NOTE ONLY THREE SIDE WALLS SAMPLED.

Remarks: contractor found petroleum contamination while removing 2-5k ust's
c0ntaminated soil around fillport being staged on plastic

Material:

Site ID:	236140
Operable Unit ID:	1060553
Operable Unit:	01
Material ID:	325597
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

TANKS:

Facility Id:	9-600520
Region:	STATE
DEC Region:	9
Site Status:	Active
Program Type:	PBS
Expiration Date:	2016/04/16
UTM X:	183519.03075999999
UTM Y:	4756254.2532900004

NY MANIFEST:

EPA ID:	NYD000810960
Country:	USA
Mailing Name:	CONSOLIDATED RAIL CORPORATION
Mailing Contact:	ROBERT F PETERS JR.
Mailing Address:	2001 MARKET STREET-PO BX 41403
Mailing Address 2:	Not reported
Mailing City:	PHILADELPHIA
Mailing State:	PA
Mailing Zip:	19101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	215-209-1689

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Document ID:	NYA6338691
Manifest Status:	Completed copy
Trans1 State ID:	NYT78456
Trans2 State ID:	Not reported
Generator Ship Date:	870305
Trans1 Recv Date:	870305
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870305
Part A Recv Date:	870312
Part B Recv Date:	870312
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	03500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87

Document ID:	NYA8392365
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	CL6442
Generator Ship Date:	891130
Trans1 Recv Date:	891130
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891201
Part A Recv Date:	891206
Part B Recv Date:	891212
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD980769822
Trans2 EPA ID:	Not reported
TSDF ID:	NYD043815703
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00848
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

Document ID:	NYA8392275
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	79805Z(NY
Trans2 State ID:	Not reported
Generator Ship Date:	891006
Trans1 Recv Date:	891006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891006
Part A Recv Date:	891128

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Part B Recv Date: 891013
Generator EPA ID: NYD000810960
Trans1 EPA ID: NYD982273518
Trans2 EPA ID: Not reported
TSDF ID: NYD043815703
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 02820
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 89

Document ID: NYB5579928
Manifest Status: Completed copy
Trans1 State ID: 80363VNY
Trans2 State ID: Not reported
Generator Ship Date: 940801
Trans1 Recv Date: 940801
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940802
Part A Recv Date: Not reported
Part B Recv Date: 940815
Generator EPA ID: NYD000810960
Trans1 EPA ID: NYD982792814
Trans2 EPA ID: Not reported
TSDF ID: KYD088438817
Waste Code: U162 - METHYL METHACRYLATE(L,T)
Quantity: 05000
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 94

Document ID: NYB5579973
Manifest Status: Completed copy
Trans1 State ID: 27224ANY
Trans2 State ID: Not reported
Generator Ship Date: 940729
Trans1 Recv Date: 940729
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940801
Part A Recv Date: Not reported
Part B Recv Date: 940812
Generator EPA ID: NYD000810960
Trans1 EPA ID: NYD097644801
Trans2 EPA ID: Not reported
TSDF ID: KYD088438817
Waste Code: U162 - METHYL METHACRYLATE(L,T)
Quantity: 20900
Units: P - Pounds
Number of Containers: 001

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NYB7427943
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PD1909NY
Trans2 State ID:	PD1909NY
Generator Ship Date:	960903
Trans1 Recv Date:	960903
Trans2 Recv Date:	960905
TSD Site Recv Date:	960905
Part A Recv Date:	960913
Part B Recv Date:	961003
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057770109
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00850
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	080
Year:	96

Document ID:	NYB7427997
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PM2759
Trans2 State ID:	Not reported
Generator Ship Date:	961009
Trans1 Recv Date:	961009
Trans2 Recv Date:	961011
TSD Site Recv Date:	961018
Part A Recv Date:	961025
Part B Recv Date:	961118
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	OHD055522429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NYA3938927
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Trans2 State ID: NYT-78456
Generator Ship Date: 861126
Trans1 Recv Date: 861126
Trans2 Recv Date: Not reported
TSD Site Recv Date: 861128
Part A Recv Date: 870108
Part B Recv Date: 861208
Generator EPA ID: NYD000810960
Trans1 EPA ID: NYD051809952
Trans2 EPA ID: Not reported
TSDF ID: NYD043815703
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 01109
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 86

Document ID: NYA4197003
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: MIC-77893
Trans2 State ID: Not reported
Generator Ship Date: 861110
Trans1 Recv Date: 861110
Trans2 Recv Date: Not reported
TSD Site Recv Date: 861111
Part A Recv Date: 861229
Part B Recv Date: 861120
Generator EPA ID: NYD000810960
Trans1 EPA ID: NYD097644801
Trans2 EPA ID: Not reported
TSDF ID: NYD043815703
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 03724
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 075
Year: 86

Document ID: NYA4197137
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYV95-347
Trans2 State ID: Not reported
Generator Ship Date: 861121
Trans1 Recv Date: 861121
Trans2 Recv Date: Not reported
TSD Site Recv Date: 861126
Part A Recv Date: 870108
Part B Recv Date: 861208
Generator EPA ID: NYD000810960
Trans1 EPA ID: NYD051809952

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD043815703
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	06350
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	86

Document ID:	NYA4197014
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYV-96686
Trans2 State ID:	NYV-96686
Generator Ship Date:	861111
Trans1 Recv Date:	861111
Trans2 Recv Date:	861111
TSD Site Recv Date:	861111
Part A Recv Date:	861229
Part B Recv Date:	861124
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	NYD051809952
TSDF ID:	NYD043815703
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	03619
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	075
Year:	86

Document ID:	NYA5081868
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYLH4202
Trans2 State ID:	Not reported
Generator Ship Date:	880411
Trans1 Recv Date:	880411
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880411
Part A Recv Date:	880520
Part B Recv Date:	880419
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	NYD043815703
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02800
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Year:	88

Document ID:	NYA5081886
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYLH4202
Trans2 State ID:	Not reported
Generator Ship Date:	880412
Trans1 Recv Date:	880412
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880412
Part A Recv Date:	880520
Part B Recv Date:	880418
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	NYD043815703
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NYB1519884
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	10733PNY
Trans2 State ID:	Not reported
Generator Ship Date:	900530
Trans1 Recv Date:	900530
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900531
Part A Recv Date:	900807
Part B Recv Date:	900724
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD067539940
Waste Code:	B004 - PCB ARTICLES WITH 50 PPM BUT < 500 PPM
Quantity:	07529
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	020
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NYB1719576
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	930722
Trans1 Recv Date:	930722

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930730
Part A Recv Date:	Not reported
Part B Recv Date:	930929
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	OHD987012838
Trans2 EPA ID:	Not reported
TSDF ID:	NVT330010000
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	03276
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	93

Document ID:	NYB5579892
Manifest Status:	Completed copy
Trans1 State ID:	80364VNY
Trans2 State ID:	Not reported
Generator Ship Date:	940801
Trans1 Recv Date:	940801
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940802
Part A Recv Date:	Not reported
Part B Recv Date:	940815
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD982792814
Trans2 EPA ID:	Not reported
TSDF ID:	KYD088438817
Waste Code:	U162 - METHYL METHACRYLATE(L,T)
Quantity:	03220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NYG0542439
Manifest Status:	Not reported
Trans1 State ID:	NYD980761191
Trans2 State ID:	NYD980761191
Generator Ship Date:	06/22/1999
Trans1 Recv Date:	06/22/1999
Trans2 Recv Date:	06/24/1999
TSD Site Recv Date:	06/25/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD049836679
Trans2 EPA ID:	Not reported
TSDF ID:	JD4082NY
Waste Code:	B004 - PCB ARTICLES WITH 50 PPM BUT < 500 PPM

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Quantity:	00091
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYA4197148
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY-T78456
Trans2 State ID:	9A098
Generator Ship Date:	861121
Trans1 Recv Date:	861121
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	861126
Part A Recv Date:	870108
Part B Recv Date:	861208
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD043815703
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	05000
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	080
Year:	86

Document ID:	NYA8045505
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890502
Trans1 Recv Date:	890502
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890504
Part A Recv Date:	890516
Part B Recv Date:	890510
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	03900
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	120
Year:	89

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Document ID:	NYB2869614
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	80365VNY
Trans2 State ID:	Not reported
Generator Ship Date:	901220
Trans1 Recv Date:	901220
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	901220
Part A Recv Date:	910402
Part B Recv Date:	910107
Generator EPA ID:	NYD000810960
Trans1 EPA ID:	NYD982792814
Trans2 EPA ID:	Not reported
TSDF ID:	NYD043815703
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01309
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	080
Year:	90

Click this hyperlink while viewing on your computer to access
16 additional NY_MANIFEST: record(s) in the EDR Site Report.

SPILLS:

Facility ID:	9875358
DER Facility ID:	101638
Facility Type:	ER
Site ID:	116825
DEC Region:	9
Spill Date:	1/25/1999
Spill Number/Closed Date:	9875358 / 3/24/1999
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1502
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1/25/1999
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1/25/1999
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/25/1999
Spill Record Last Update:	3/12/2002
Spiller Name:	PETER TILLELI
Spiller Company:	BENCHMARK ASSOCIATES
Spiller Address:	325 DELAWARE AVENUE
Spiller City,St,Zip:	BUFFALO, NY

CONRAIL FRONTIER YARD ENGINE HOUSE (Continued) **1000353066**

Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RMC"02/01/99: SAC TELECON ANDY KUSCERIK, BARRON & ASSOCIATES, TANKS WERE IN GOOD SHAPE AND ARE NOT THE SOURCE OF THE SPILL, SPILL WAS CAUSED WHEN A VALVE TO THE DAY TANK ON THE DIESEL GENERATOR WAS SHUT OFF, BUT THE PUMP CONTINUED TO WORK AND PUMPED THE PRODUCT THROUGH THE VENT PIPE AND ON TO THE ROOF, THE PRODUCT RAN INTO THE ROOF DRAIN DOWN THE STORM DRAIN PIPE AND NEXT TO THE BUILDING AND WENT INTO THE BASEMENT THROUGH THE FIBER02/23/99: RMC TELECON WITH KUSCERIK, EXCAVATION SAMPLE RESULTS AND DISPOSAL RECEIPTS FOR CONTAMINATED SOIL REMOVED DUE 4/99 03/24/99: RMC RECEIVED REPORT, NO EXCEEDANCES IN TCLP, DISPOSAL DOCUMENTED, NO FURTHER ACTION REQUIRED, CLOSE OUT
Remarks: NOTED DIESEL RUNNING INTO BUILDING, POINT IS NEAR 2 500 GALLON STAND BY GENERATOR USTS, CONTRACTORS HAVE BEEN CALLED TO CLEANUP AND FIND OUT THE CAUSE OF THE PROBLEM,

Material:
Site ID: 116825
Operable Unit ID: 1078643
Operable Unit: 01
Material ID: 306980
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AC136 **NATIONAL FUEL GAS - BUFFALO SC** **RCRA-CESQG** **1000227775**
SSE **249 W GENESEE ST** **FINDS** **NYD986899714**
1/4-1/2 **BUFFALO, NY** **HIST UST**
0.476 mi. **HIST AST**
2515 ft. **Site 1 of 5 in cluster AC** **MANIFEST**
INST CONTROL
Relative: **VCP**
Lower **BROWNFIELDS**

Actual: **585 ft.**

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: NATIONAL FUEL GAS - BUFFALO SC
Facility address: 249 W GENESEE ST
BUFFALO, NY 14203
EPA ID: NYD986899714
Mailing address: MAIN ST
WILLIAMSVILLE, NY 14221
Contact: JAMES A CLARK
Contact address: MAIN ST
WILLIAMSVILLE, NY 14221
Contact country: US
Contact telephone: (716) 827-2357

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Contact email: CLARKJ@NATFUEL.COM
EPA Region: 02
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: NO NAME FOUND
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1848
Owner/Op end date: Not reported

Owner/operator name: NO NAME FOUND
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1848
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NATIONAL FUEL GAS - BUFFALO SC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/14/2004
Facility name: NATIONAL FUEL GAS - BUFFALO SC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/08/1999
Facility name: NATIONAL FUEL GAS - BUFFALO SC
Site name: BUFFALO SERVICENTER
Classification: Not a generator, verified

Date form received by agency: 03/14/1996
Facility name: NATIONAL FUEL GAS - BUFFALO SC
Site name: BUFFALO SERVICENTER
Classification: Large Quantity Generator

Date form received by agency: 05/07/1990
Facility name: NATIONAL FUEL GAS - BUFFALO SC
Site name: BUFFALO SERVICENTER
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 06/08/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000875125

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST UST:
PBS Number: 9-386715
SPDES Number: Not reported
Emergency Contact: L A GIERMEK
Emergency Telephone: (716) 822-1103
Operator: NATIONAL FUEL GAS DISTRIBUTION
Operator Telephone: (716) 857-7160
Owner Name: NATIONAL FUEL GAS DISTRIBUTION
Owner Address: 10 LAFAYETTE SQUARE
Owner City,St,Zip: BUFFALO, NY 14203

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Owner Telephone:	(716) 857-7000
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	NATIONAL FUEL GAS DISTRIBUTION
Mailing Address:	10 LAFAYETTE SQUARE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BUFFALO, NY 14203
Mailing Contact:	CHARLES J. BURKE
Mailing Telephone:	(716) 857-7000
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	Not reported
SWIS ID:	1402
Old PBS Number:	Not reported
Facility Type:	UTILITY
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	04/13/1995
Expiration Date:	10/06/1997
Renew Flag:	False
Renewal Date:	07/22/1992
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	BUFFALO (C)
County Code:	14
Town or City:	02
Region:	9

Tank Id:	1
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	01/01/1978
Capacity (gals):	10000
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Sacrificial Anode
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	60
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	12/01/1990
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Date Closed: 07/01/1995
Test Method: Ainlay
Deleted: False
Updated: True
Lat/long: Not reported

HIST AST:
PBS Number: 9-386715
SWIS Code: 1402
Operator: NATIONAL FUEL GAS DISTRIBUTION
Facility Phone: (716) 857-7160
Facility Addr2: Not reported
Facility Type: UTILITY
Emergency: L A GIERMEK
Emergency Tel: (716) 822-1103
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: NATIONAL FUEL GAS DISTRIBUTION
Owner Address: 10 LAFAYETTE SQUARE
Owner City,St,Zip: BUFFALO, NY 14203
Federal ID: Not reported
Owner Tel: (716) 857-7000
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Contact: CHARLES J. BURKE
Mailing Name: NATIONAL FUEL GAS DISTRIBUTION
Mailing Address: 10 LAFAYETTE SQUARE
Mailing Address 2: Not reported
Mailing City,St,Zip: BUFFALO, NY 14203
Mailing Telephone: (716) 857-7000
Owner Mark: First Owner
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Certification Flag: False
Certification Date: 04/13/1995
Expiration: 10/06/1997
Renew Flag: False
Renew Date: 07/22/1992
Total Capacity: 0
FAMT: True
Facility Screen: No Missing Data
Owner Screen: No Missing Data
Tank Screen: 0
Dead Letter: False
CBS Number: Not reported
Town or City: BUFFALO (C)
County Code: 14
Town or City Code: 02
Region: 9

Tank ID: 2
Tank Location: ABOVEGROUND
Tank Status: Closed-Removed
Install Date: 11/01/1968
Capacity (Gal): 4000

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	00
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	07/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYD986899714
Country:	USA
Mailing Name:	NATIONAL FUEL GAS
Mailing Contact:	WILLIAM H PRICE
Mailing Address:	249 WEST GENESEE ST.SERVICE CT
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14202
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	716-857-6910

Document ID:	NYB4851504
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	921102
Trans1 Recv Date:	921102
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921103
Part A Recv Date:	921123
Part B Recv Date:	921117
Generator EPA ID:	NYD986899714
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	OHD066060609
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Specific Gravity: 100
Year: 92

Document ID: NYG3136068
Manifest Status: Not reported
Trans1 State ID: NYD982792814
Trans2 State ID: Not reported
Generator Ship Date: 03/27/2002
Trans1 Recv Date: 03/27/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/28/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986899714
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: AD76300NY
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01000
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3136077
Manifest Status: Not reported
Trans1 State ID: NYD982792814
Trans2 State ID: Not reported
Generator Ship Date: 03/27/2002
Trans1 Recv Date: 03/27/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/28/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986899714
Trans1 EPA ID: NYD080469935
Trans2 EPA ID: Not reported
TSDF ID: AD76300NY
Waste Code: D018 - BENZENE 0.5 MG/L TCLP
Quantity: 00385
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYB2735568
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: GP-8452
Trans2 State ID: Not reported
Generator Ship Date: 900809

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Trans1 Recv Date:	900809
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900809
Part A Recv Date:	900919
Part B Recv Date:	900830
Generator EPA ID:	NYD986899714
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD043815703
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	080
Waste Code:	Not reported
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	090
Year:	90

Document ID:	NYB7391223
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY80361V
Trans2 State ID:	Not reported
Generator Ship Date:	951117
Trans1 Recv Date:	951117
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951120
Part A Recv Date:	951208
Part B Recv Date:	951226
Generator EPA ID:	NYD986899714
Trans1 EPA ID:	NYD982792814
Trans2 EPA ID:	Not reported
TSDF ID:	OHD004178612
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NYB2323395
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	GP8452NY
Trans2 State ID:	Not reported
Generator Ship Date:	910618
Trans1 Recv Date:	910618
Trans2 Recv Date:	Not reported

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

TSD Site Recv Date:	910619
Part A Recv Date:	910821
Part B Recv Date:	910627
Generator EPA ID:	NYD986899714
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID:	NYD043815703
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	080
Year:	91

Document ID:	NYB7390998
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	80361VNY
Trans2 State ID:	Not reported
Generator Ship Date:	951019
Trans1 Recv Date:	951019
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951023
Part A Recv Date:	951027
Part B Recv Date:	951114
Generator EPA ID:	NYD986899714
Trans1 EPA ID:	NYD982792814
Trans2 EPA ID:	Not reported
TSDF ID:	OHD004178612
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00640
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NYG3612996
Manifest Status:	Not reported
Trans1 State ID:	NYD982792814
Trans2 State ID:	Not reported
Generator Ship Date:	03/25/2003
Trans1 Recv Date:	03/25/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/27/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986899714
Trans1 EPA ID:	OHD066060609
Trans2 EPA ID:	Not reported
TSDF ID:	AD76272NY
Waste Code:	D018 - BENZENE 0.5 MG/L TCLP
Quantity:	00025

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2003

INST CONTROL:
Site Code: 346815
Control Name: Ground Water Use Restriction
HW Code: C915194
Control Code: 08
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346815
Site Description: Location: This site is located at 249 West Genesee Street in Buffalo, Erie County. The site is located in an urban area, approximately 1,200 feet to the east of Lake Erie.

Site Features: This site is comprised of two large office buildings , as well as paved and grassy areas.

Current Zoning/Use(s): This site is currently zoned and used as a c ommercial office building.

Historical Use(s): This site was the location of a former Manufactu red Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. (Refer to Site #V00362). The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.

In June 2005 a volunteer - Duke Realty - applied to the Brownfield C leanup Program to remediate the site in preparation for building an office building.

The site remediation consisted of excavation and off-site disposal o f contaminated soils above the cleanup levels and backfilling with clean soil/material. Work began in Summer 2005 and was completed in early 2006.

An environmental easement requiring a Site Management Plan was filed on September 7, 2006 in the Erie County Clerk's office. A Certificate of Completion was issued on November 30, 2006.

The cleanup has resulted in the construction of an approximately 350 ,000 square foot HealthNow building by Duke Realty at the remediated site.

Groundwater at the site is being monitored in accordance with the Si te Management Plan, dated October 2, 2006.

Site Geology and Hydrogeology: The site investigations prior to rem edial action indicated that the Site was underlain by fill, soil, and bedrock. Groundwater was contained within the overburden materials at depths ranging from 2 to 8 feet below ground surface (bgs) as well as within fractures in the bedrock.

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Underlying the fill was a low-permeability alluvium unit comprised p redominantly of
fine sand to clayey silt throughout the majority of the Site. Nearly 7 5 percent of the site (by area) was excavated to bedrock completely removing all unconsolidated material from those areas. Bedrock was encountered below the alluvium at depths from 18 to 25 feet bgs. The first bedrock unit is dark gray fractured limestone.
Groundwater was previously found between 2 to 8 feet bgs in the over burden
materials.
Groundwater elevation data from Site monitoring wells have suggested radial flow, away
from the center of the Site with three major components of flow, one t o the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the north, south and east immediately adjacent to the property line and the buried Wilkeson slip to the north. However, the materials within the former slip were removed during the remedial activities conducted at the adjacent school site, low permeability fill was placed in the sewer and under the school, and therefore current and future groundwater movement across this area is expected to vary from previous conditions.

Env Problem: Nature and Extent of Contamination:
Prior to Remediation: Constituents identified in Site groundwater c onsisted primarily of BTEX and PAHs. Total BTEX concentrations ranged from 370 micrograms per liter (mcg/l) to 29,500 mcg/l. Total PAH concentrations in some wells ranged from 780 mcg/l to 14,500 mcg/l.
Post Remediation: Currently, the groundwater is being monitored for BTEX and PAHs under the Site Management Plan, dated October 2, 2006. This property was impacted by the Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Site Code: 346815
Control Name: Soil Management Plan
HW Code: C915194
Control Code: 14
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346815
Site Description: Location: This site is located at 249 West Genesee Street in Buffalo, Erie County. The site is located in an urban area, approximately 1,200 feet to the east of Lake
Erie.
Site Features: This site is comprised of two large office buildings , as well as paved and grassy areas.
Current Zoning/Use(s): This site is currently zoned and used as a c ommercial office

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

building.
Historical Use(s): This site was the location of a former Manufactu
red Gas Plant (MGP) which was operated by various companies from 1848
to 1948. The site was initially investigated by the owner - National
Fuel Gas during the period 1989 to 2004. (Refer to Site #V00362). The
investigation confirmed the presence of MGP wastes (containing
benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic
hydrocarbons, total cyanides) in soil and groundwater at the
site.
In June 2005 a volunteer - Duke Realty - applied to the Brownfield C
leanup Program to remediate the site in preparation for building an
office building.
The site remediation consisted of excavation and off-site disposal o
f contaminated soils above the cleanup levels and backfilling with
clean soil/material. Work began in Summer 2005 and was completed in
early
2006.
An environmental easement requiring a Site Management Plan was filed
on September 7, 2006 in the Erie County Clerk's office. A
Certificate of Completion was issued on November 30,
2006.
The cleanup has resulted in the construction of an approximately 350
,000 square foot HealthNow building by Duke Realty at the remediated
site.
Groundwater at the site is being monitored in accordance with the Si
te Management Plan, dated October 2, 2006.
Site Geology and Hydrogeology: The site investigations prior to rem
edial action indicated that the Site was underlain by fill, soil, and
bedrock. Groundwater was contained within the overburden materials at
depths ranging from 2 to 8 feet below ground surface (bgs) as well as
within fractures in the
bedrock.
Underlying the fill was a low-permeability alluvium unit comprised p
redominantly of
fine sand to clayey silt throughout the majority of the Site. Nearly 7
5 percent of the site (by area) was excavated to bedrock completely
removing all unconsolidated material from those areas. Bedrock was
encountered below the alluvium at depths from 18 to 25 feet bgs. The
first bedrock unit is dark gray fractured limestone.
Groundwater was previously found between 2 to 8 feet bgs in the over
burden
materials.
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radial flow, away
from the center of the Site with three major components of flow, one t
o the south, one to the east, and one to the north. The nature of the
flow is more likely the result of anthropogenic influences; deep
sewer lines to the north, south and east immediately adjacent to the
property line and the buried Wilkeson slip to the north. However, the
materials within the former slip were removed during the remedial
activities conducted at the adjacent school site, low permeability
fill was placed in the sewer and under the school, and therefore
current and future groundwater movement across this area is expected
to vary from previous conditions.

Env Problem: Nature and Extent of Contamination:
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NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

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Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Site Code: 346815
Control Name: Landuse Restriction
HW Code: C915194
Control Code: 25
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346815
Site Description: Location: This site is located at 249 West Genesee Street in Buffalo, Erie County. The site is located in an urban area, approximately 1,200 feet to the east of Lake Erie.
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Historical Use(s): This site was the location of a former Manufactu red Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. (Refer to Site #V00362). The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.
In June 2005 a volunteer - Duke Realty - applied to the Brownfield C leanup Program to remediate the site in preparation for building an office building.
The site remediation consisted of excavation and off-site disposal o f contaminated soils above the cleanup levels and backfilling with clean soil/material. Work began in Summer 2005 and was completed in early 2006.
An environmental easement requiring a Site Management Plan was filed on September 7, 2006 in the Erie County Clerk's office. A Certificate of Completion was issued on November 30, 2006.
The cleanup has resulted in the construction of an approximately 350 ,000 square foot HealthNow building by Duke Realty at the remediated site.
Groundwater at the site is being monitored in accordance with the Si

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

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Site Geology and Hydrogeology: The site investigations prior to rem
edial action indicated that the Site was underlain by fill, soil, and bedrock. Groundwater was contained within the overburden materials at depths ranging from 2 to 8 feet below ground surface (bgs) as well as within fractures in the
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Underlying the fill was a low-permeability alluvium unit comprised p
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fine sand to clayey silt throughout the majority of the Site. Nearly 7
5 percent of the site (by area) was excavated to bedrock completely removing all unconsolidated material from those areas. Bedrock was encountered below the alluvium at depths from 18 to 25 feet bgs. The first bedrock unit is dark gray fractured limestone.
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materials.
Groundwater elevation data from Site monitoring wells have suggested
radial flow, away
from the center of the Site with three major components of flow, one t
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Env Problem: Nature and Extent of Contamination:
Prior to Remediation: Constituents identified in Site groundwater c
onsisted primarily of BTEX and PAHs. Total BTEX concentrations ranged from 370 micrograms per liter (mcg/l) to 29,500 mcg/l. Total PAH concentrations in some wells ranged from 780 mcg/l to 14,500 mcg/l.
Post Remediation: Currently, the groundwater is being monitored for BTEX and PAHs under the Site Management Plan, dated October 2, 2006. This property was impacted by the Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Site Code: 346815
Control Name: Environmental Easement
HW Code: C915194
Control Code: J
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346815
Site Description: Location: This site is located at 249 West Genesee Street in

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Buffalo, Erie County. The site is located in an urban area, approximately 1,200 feet to the east of Lake Erie.

Site Features: This site is comprised of two large office buildings, as well as paved and grassy areas.

Current Zoning/Use(s): This site is currently zoned and used as a commercial office building.

Historical Use(s): This site was the location of a former Manufactured Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. (Refer to Site #V00362). The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.

In June 2005 a volunteer - Duke Realty - applied to the Brownfield Cleanup Program to remediate the site in preparation for building an office building.

The site remediation consisted of excavation and off-site disposal of contaminated soils above the cleanup levels and backfilling with clean soil/material. Work began in Summer 2005 and was completed in early 2006.

An environmental easement requiring a Site Management Plan was filed on September 7, 2006 in the Erie County Clerk's office. A Certificate of Completion was issued on November 30, 2006.

The cleanup has resulted in the construction of an approximately 350,000 square foot HealthNow building by Duke Realty at the remediated site.

Groundwater at the site is being monitored in accordance with the Site Management Plan, dated October 2, 2006.

Site Geology and Hydrogeology: The site investigations prior to remedial action indicated that the Site was underlain by fill, soil, and bedrock. Groundwater was contained within the overburden materials at depths ranging from 2 to 8 feet below ground surface (bgs) as well as within fractures in the bedrock.

Underlying the fill was a low-permeability alluvium unit comprised predominantly of fine sand to clayey silt throughout the majority of the Site. Nearly 75 percent of the site (by area) was excavated to bedrock completely removing all unconsolidated material from those areas. Bedrock was encountered below the alluvium at depths from 18 to 25 feet bgs. The first bedrock unit is dark gray fractured limestone.

Groundwater was previously found between 2 to 8 feet bgs in the overburden materials.

Groundwater elevation data from Site monitoring wells have suggested radial flow, away from the center of the Site with three major components of flow, one to the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the north, south and east immediately adjacent to the property line and the buried Wilkeson slip to the north. However, the materials within the former slip were removed during the remedial

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

activities conducted at the adjacent school site, low permeability fill was placed in the sewer and under the school, and therefore current and future groundwater movement across this area is expected to vary from previous conditions.

Env Problem: Nature and Extent of Contamination:
Prior to Remediation: Constituents identified in Site groundwater c onsisted primarily of BTEX and PAHs. Total BTEX concentrations ranged from 370 micrograms per liter (mcg/l) to 29,500 mcg/l. Total PAH concentrations in some wells ranged from 780 mcg/l to 14,500 mcg/l.
Post Remediation: Currently, the groundwater is being monitored for BTEX and PAHs under the Site Management Plan, dated October 2, 2006. This property was impacted by the Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Site Code: 346815
Control Name: O&M Plan
HW Code: C915194
Control Code: 33
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346815

Site Description: Location: This site is located at 249 West Genesee Street in Buffalo, Erie County. The site is located in an urban area, approximately 1,200 feet to the east of Lake Erie.
Site Features: This site is comprised of two large office buildings , as well as paved and grassy areas.
Current Zoning/Use(s): This site is currently zoned and used as a c ommercial office building.
Historical Use(s): This site was the location of a former Manufactu red Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. (Refer to Site #V00362). The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.
In June 2005 a volunteer - Duke Realty - applied to the Brownfield C leanup Program to remediate the site in preparation for building an office building.
The site remediation consisted of excavation and off-site disposal o f contaminated soils above the cleanup levels and backfilling with clean soil/material. Work began in Summer 2005 and was completed in early 2006.
An environmental easement requiring a Site Management Plan was filed

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

on September 7, 2006 in the Erie County Clerk's office. A Certificate of Completion was issued on November 30, 2006.

The cleanup has resulted in the construction of an approximately 350 ,000 square foot HealthNow building by Duke Realty at the remediated site.

Groundwater at the site is being monitored in accordance with the Si te Management Plan, dated October 2, 2006.

Site Geology and Hydrogeology: The site investigations prior to rem edial action indicated that the Site was underlain by fill, soil, and bedrock. Groundwater was contained within the overburden materials at depths ranging from 2 to 8 feet below ground surface (bgs) as well as within fractures in the bedrock.

Underlying the fill was a low-permeability alluvium unit comprised p redominantly of fine sand to clayey silt throughout the majority of the Site. Nearly 7 5 percent of the site (by area) was excavated to bedrock completely removing all unconsolidated material from those areas. Bedrock was encountered below the alluvium at depths from 18 to 25 feet bgs. The first bedrock unit is dark gray fractured limestone.

Groundwater was previously found between 2 to 8 feet bgs in the over burden materials.

Groundwater elevation data from Site monitoring wells have suggested radial flow, away from the center of the Site with three major components of flow, one t o the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the north, south and east immediately adjacent to the property line and the buried Wilkeson slip to the north. However, the materials within the former slip were removed during the remedial activities conducted at the adjacent school site, low permeability fill was placed in the sewer and under the school, and therefore current and future groundwater movement across this area is expected to vary from previous conditions.

Env Problem: Nature and Extent of Contamination:

Prior to Remediation: Constituents identified in Site groundwater c onsisted primarily of BTEX and PAHs. Total BTEX concentrations ranged from 370 micrograms per liter (mcg/l) to 29,500 mcg/l. Total PAH concentrations in some wells ranged from 780 mcg/l to 14,500 mcg/l.

Post Remediation: Currently, the groundwater is being monitored for BTEX and PAHs under the Site Management Plan, dated October 2, 2006. This property was impacted by the Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Site Code: 346815
Control Name: Site Management Plan
HW Code: C915194

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

Control Code: 32
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346815
Site Description: Location: This site is located at 249 West Genesee Street in Buffalo, Erie County. The site is located in an urban area, approximately 1,200 feet to the east of Lake Erie.

Site Features: This site is comprised of two large office buildings, as well as paved and grassy areas.

Current Zoning/Use(s): This site is currently zoned and used as a commercial office building.

Historical Use(s): This site was the location of a former Manufactured Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. (Refer to Site #V00362). The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.

In June 2005 a volunteer - Duke Realty - applied to the Brownfield Cleanup Program to remediate the site in preparation for building an office building.

The site remediation consisted of excavation and off-site disposal of contaminated soils above the cleanup levels and backfilling with clean soil/material. Work began in Summer 2005 and was completed in early 2006.

An environmental easement requiring a Site Management Plan was filed on September 7, 2006 in the Erie County Clerk's office. A Certificate of Completion was issued on November 30, 2006.

The cleanup has resulted in the construction of an approximately 350,000 square foot HealthNow building by Duke Realty at the remediated site.

Groundwater at the site is being monitored in accordance with the Site Management Plan, dated October 2, 2006.

Site Geology and Hydrogeology: The site investigations prior to remedial action indicated that the Site was underlain by fill, soil, and bedrock. Groundwater was contained within the overburden materials at depths ranging from 2 to 8 feet below ground surface (bgs) as well as within fractures in the bedrock.

Underlying the fill was a low-permeability alluvium unit comprised predominantly of fine sand to clayey silt throughout the majority of the Site. Nearly 75 percent of the site (by area) was excavated to bedrock completely removing all unconsolidated material from those areas. Bedrock was encountered below the alluvium at depths from 18 to 25 feet bgs. The first bedrock unit is dark gray fractured limestone.

Groundwater was previously found between 2 to 8 feet bgs in the overburden materials.

Groundwater elevation data from Site monitoring wells have suggested

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

radial flow, away
from the center of the Site with three major components of flow, one t
o the south, one to the east, and one to the north. The nature of the
flow is more likely the result of anthropogenic influences; deep
sewer lines to the north, south and east immediately adjacent to the
property line and the buried Wilkeson slip to the north. However, the
materials within the former slip were removed during the remedial
activities conducted at the adjacent school site, low permeability
fill was placed in the sewer and under the school, and therefore
current and future groundwater movement across this area is expected
to vary from previous conditions.

Env Problem: Nature and Extent of Contamination:
Prior to Remediation: Constituents identified in Site groundwater c
onsisted primarily of BTEX and PAHs. Total BTEX concentrations
ranged from 370 micrograms per liter (mcg/l) to 29,500 mcg/l. Total
PAH concentrations in some wells ranged from 780 mcg/l to 14,500
mcg/l.
Post Remediation: Currently, the groundwater is being monitored for
BTEX and PAHs under the Site Management Plan, dated October 2, 2006.
This property was impacted by the Former Buffalo Service Center. The
site was remediated in 2005-06 and no longer poses a significant
threat to the environment.

Health Problem: All contaminated soil and waste have been removed from the site.
Groundwater beneath the site is contaminated, however, the area is
served by public water so exposures via drinking water are not
expected. Air samples taken within the Waterfront School in 1996 and
2002 did not detect site-related contaminants. A vapor intrusion
mitigation system was installed in the Waterfront School.

VCP:

Program Type:	VCP
Site Code:	58809
HW Code:	V00362
Site Class:	A
SWIS:	1502
Region:	9
Town:	Buffalo (c)
Acres:	Not reported
Date Record Added:	11/30/2000
Date Record Updated:	10/01/2012
Updated By:	MLDOSTER
Site Description:	The site is located in commercial/residential area at 249 West Genesee Street in downtown of City of Buffalo. The site borders with the Waterfront School on the north. From 1848 to 1948 the site was used to produce manufactured gas for lighting purposes. The site investigations from 1989 to 2004 conducted by National Fuel Gas (NFG) confirmed the presence of Manufactured Gas Plant (MGP) wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, and cyanides) in soil and groundwater at the site. Duke Realty purchased the National Fuel Gas property, and subsequently remediated that property under the Brownfield Cleanup Program. Refer to site #C915194.In order to address off-site contamination from the main site(Former Buffalo Service Center), NFG entered into an agreement with the Department in 2005 to remediate the Wilkeson Slip and Waterfront School properties under the Voluntary Cleanup Program. Remediation consisted of excavation of contaminated soils above the soil cleanup objectives and disposal

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

off-site. In addition, a vapor mitigation system was placed in the school building basement area that was above the remediated area. This work was completed in 2006.In 2009, as a result of routine monitoring, a chemical oxidation and enhanced bioremediation agent was injected around the MW-09 monitoring well to reduce levels of benzene in that area.Monitoring of the groundwater in this area continues. Excavation of contaminated soil in the Wilkeson Slip further to the eastern side of Fourth Street was completed in 2012. Excavation was conducted by sheet piling the contaminated area.National Fuel Gas is currently investigating the extent of off-site contamination from the Former Buffalo Service Center site (C915194)in the former Wilkeson Slip. Please refer to site C915194A for the off-site investigation details.

Env Problem: The disposal areas of the former Manufactured Gas Plant (MGP) located on the Former Buffalo Service Center (C915194) and BURA West (C915195)sites have been removed. Off-site contamination located in the former Wilkeson Slip (up to Fourth Street), and on the Waterfront School property (OU-2B), including underneath the School building(OU-2C), have been removed. Site specific action levels for soils were met, and the sites do not pose a significant environmental threat.Residual groundwater contamination is being monitored under the O&M Plan.In August 2009, Klozur-CR (Chemical Oxidation/Enhanced Bioremediation agent) was injected around MW-09 monitoring well to reduce levels of benzene in that area.In December 2011, MW-09 was replaced with MW-09R. Sampling of MW-09R on 2/8/12 showed benzene levels from 5000 to 6100 ppb in groundwater.Excavation of remaining contaminated soil in the Wilkeson Slip upto eastern side of Fourth Street in the Utility Corridor was completed in September 2012.Investigation of off-site contamination in the former slip is continuing (see #C915194A).

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is highly contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront Elementary School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system has been installed in the Waterfront Elementary School as a precautionary measure to prevent any residual soil vapors from entering the building.

BROWNFIELDS:

Program: BCP
Site Code: 346815
Site Description: Location: This site is located at 249 West Genesee Street in Buffalo, Erie County. The site is located in an urban area, approximately 1,200 feet to the east of Lake Erie.Site Features: This site is comprised of two large office buildings, as well as paved and grassy areas. Current Zoning/Use(s): This site is currently zoned and used as a commercial office building.Historical Use(s): This site was the location of a former Manufactured Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. (Refer to Site #V00362). The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.In June 2005 a volunteer - Duke Realty - applied to the Brownfield Cleanup Program to remediate the site in preparation for building an office building. The site remediation

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

consisted of excavation and off-site disposal of contaminated soils above the cleanup levels and backfilling with clean soil/material. Work began in Summer 2005 and was completed in early 2006.An environmental easement requiring a Site Management Plan was filed on September 7, 2006 in the Erie County Clerk's office. A Certificate of Completion was issued on November 30, 2006.The cleanup has resulted in the construction of an approximately 350,000 square foot HealthNow building by Duke Realty at the remediated site.Groundwater at the site is being monitored in accordance with the Site Management Plan, dated October 2, 2006. Site Geology and Hydrogeology: The site investigations prior to remedial action indicated that the Site was underlain by fill, soil, and bedrock. Groundwater was contained within the overburden materials at depths ranging from 2 to 8 feet below ground surface (bgs) as well as within fractures in the bedrock.Underlying the fill was a low-permeability alluvium unit comprised predominantly of finesand to clayey silt throughout the majority of the Site. Nearly 75 percent of the site (by area) was excavated to bedrock completely removing all unconsolidated material from those areas. Bedrock was encountered below the alluvium at depths from 18 to 25 feet bgs. The first bedrock unit is dark gray fractured limestone. Groundwater was previously found between 2 to 8 feet bgs in the overburden materials.Groundwater elevation data from Site monitoring wells have suggested radial flow, away fromthe center of the Site with three major components of flow, one to the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the north, south and east immediately adjacent to the property line and the buried Wilkeson slip to the north. However, the materials within the former slip were removed during the remedial activities conducted at the adjacent school site, low permeability fill was placed in the sewer and under the school, and therefore current and future groundwater movement across this area is expected to vary from previous conditions.

Env Problem: Nature and Extent of Contamination: Prior to Remediation: Constituents identified in Site groundwater consisted primarily of BTEX and PAHs. Total BTEX concentrations ranged from 370 micrograms per liter (mcg/l) to 29,500 mcg/l. Total PAH concentrations in some wells ranged from 780 mcg/l to 14,500 mcg/l. Post Remediation: Currently, the groundwater is being monitored for BTEX and PAHs under the Site Management Plan, dated October 2, 2006. This property was impacted by the Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Program: BCP
Site Code: 424798
Site Description: Site Location: The site borders with the east side of Fourth Street and railroad tracks on the west. The area underneath the elevated section of Interstate 190 is part of this site.Site Features: The is the location of a former slip (approx 40 feet wide) which connected to the Erie Canal. The area underneath I-190 is covered with gravel.

NATIONAL FUEL GAS - BUFFALO SC (Continued) **1000227775**

A public school and an office building are located on the east side.Current Zoning/Use(s): The site properties are owned by the City of Buffalo and Thruway Authority. The site area is being used as roads and right of ways for roads and utilities. Historical Use(s): The off-site contamination originated from the Former Buffalo Service Center, a Manufactured Gas Plant (MGP) which was operated by various companies from 1848 to 1948. Investigations by National Fuel Gas between 1989 and 2004 confirmed the presence of MGP wastes [containing BTEX (benzene, toluene, ethylbenzene, xylenes), PAHs (polycyclic aromatic hydrocarbons), and total cyanides] in soil and groundwater at the Former Buffalo Service Center site.The on-site remediation which also included cleanup of slip within 40 feet of Fourth Street was performed under the brownfield program by Duke Realty in 2006. The remaining slip up to east side of Fourth Street was cleaned up in August 2012. During this cleanup, a sheet pile was installed along the east side of the Fourth Street and the excavation was backfilled with flowable fill and other impermeable material. This site was listed to address the remaining contamination in the Wilkeson Slip west of the sheet pile at Fourth Street.Site Investigations: A limited investigation was conducted west of the Fourth Street (west of sheet pile at Fourth Street) by RETEC for National Fuel Gas in 2003. This investigation showed the presence of elevated levels of BTEX (58,910 ppb), PAHs (11,185,500 ppb), and Mercury (4.0 ppm) in soil samples. Additional investigation to determine the extent of contamination was undertaken by National Fuel Gas in 2012.Site Geology and Hydrogeology: to be updated upon receipt of Site Investigation Report.

Env Problem: This property was impacted by the Manufactured Gas Plant known as the former Buffalo Service Center site. The site was remediated in 2005-06. The off-site contamination west of sheet pile in the Wilkeson Slip was not addressed during the site remediation.A limited investigation was conducted west of the Fourth Street (west of sheet pile at Fourth Street) by RETEC for National Fuel Gas in 2003. This investigation showed the presence of elevated levels of BTEX (58,910 ppb), PAHs (11,185,500 ppb), and Mercury (4.0 ppm) in soil samples.Another Site Investigation to determine the extent of contamination was undertaken by National Fuel Gas in 2012.

Health Problem: A health assessment will be provided when sufficient information becomes available for the area of concern.

AC137 **WATERFRONT SCHOOL/NATIONAL FUEL GAS** **US BROWNFIELDS** **1012238326**
SSE **249 WEST GENESEE** **FINDS** **N/A**
1/4-1/2 **BUFFALO, NY 14202**
0.476 mi.
2515 ft. **Site 2 of 5 in cluster AC**

Relative:
Lower

Actual:
585 ft.

US BROWNFIELDS:

Recipient name:	Buffalo, City of
Grant type:	Assessment
Property name:	WATERFRONT SCHOOL/NATIONAL FUEL GAS
Property #:	Not reported
Parcel size:	5
Property Description:	manufacturer of gas
Latitude:	42.885201
Longitude:	-78.881551
HCM label:	Not reported
Map scale:	Not reported
Point of reference:	Not reported

WATERFRONT SCHOOL/NATIONAL FUEL GAS (Continued) **1012238326**

Datum:	Not reported
ACRES property ID:	13166
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	Not reported
Assessment funding source:	Not reported
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	N/A
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	99242201
Ownership entity:	Not reported
Current owner:	National Fuel Gas
Did owner change:	Not reported
Cleanup required:	Yes
Video available:	Not reported
Photo available:	Not reported
Institutional controls required:	Not reported
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported

WATERFRONT SCHOOL/NATIONAL FUEL GAS (Continued) **1012238326**

PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
Unknown found:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported

FINDS:

Registry ID: 110039536730

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

AC138 **NAT FUEL, BUFFALO SERVICENTER** **HSWDS** **S108146374**
SSE **249 WEST GENESEE STREET** **N/A**
1/4-1/2 **BUFFALO, NY 14202**
0.476 mi.
2515 ft. **Site 3 of 5 in cluster AC**

Relative:
Lower

Actual:
585 ft.

HSWDS:

Facility ID:	HS9046
Region:	9
Facility Status:	Unknown
Owner Type:	U
Owner:	National Fuel
Owner Address:	Unknown
Owner Phone:	Unknown
Operator Type:	Unknown
Operator:	Unknown
Operator:	Unknown
Operator Phone:	Unknown
EPA ID:	None
Registry:	Unknown
Registry Site ID:	Unknown
RCRA Permitted:	Unknown
Site Code:	Coal Gasification Plant

NAT FUEL, BUFFALO SERVICENTER (Continued) **S108146374**

Owner City State:	Not reported
Operator City State:	Not reported
Quadrange:	Unknown
Latitude:	Unknown
Longitude:	Unknown
Acres:	0.00
Operator Date:	1900
Close Date:	1946
Completed:	SOPSHA
Active:	No
PCB's Disposed:	No
Pesticides Disposed:	No
Metals Disposed:	Yes
Asbestos Disposed:	No
Volatile Organic Compounds Disposed:	Yes
Semi Volatile Organic Compounds Disposed:	Yes
Analytical Info Exists for Air:	Not reported
Analytical Info Exists for Ground:	Groundwater
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Sediments:	Not reported
Analytical Info Exists for Surface:	Surface Soil
Analytical Info Exists for Substance:	Subsurface Soil
Analytical Info Exists for Waste:	Not reported
Analytical Info Exists for Leachate:	Not reported
Analytical Info Exists for EP Toxicity:	Not reported
Analytical Info Exists for TCLP:	Not reported
Threat to Environment/Public Health:	Environmental/Public
Surface Water Contamination:	Unknown
Surface Water Body Class:	Unknown
Groundwater Contamination:	Unknown
Groundwater Classification:	Unknown
Drinking Water Contamination:	Unknown
Drinking Water Supply is Active:	Unknown
Any Known Fish or Wildlife:	Unknown
Hazardous Exposure:	Unknown
Site Has Controlled Acess:	Unknown
Ambient Air Contamination:	Unknown
Direct Contact:	Unknown
EPA Hazardous Ranking System Score:	Unknown
Inventory:	F
Nefrap:	Not reported
Mailing:	U
Tax Map No:	Not reported
Qualify:	0
Next Action:	Not reported
Agencies:	Not reported
Air:	Not reported
Building:	Not reported
Site Desc:	Not reported
Drink:	Not reported
Eptox:	Not reported
Fish:	Not reported
Ground:	Not reported
Ground Desc:	Not reported
Hazardous Threat:	Not reported
Haz Threat Desc:	Not reported
Leachate:	Not reported

NAT FUEL, BUFFALO SERVICENTER (Continued) **S108146374**

Preparer:	Not reported
Sediment:	Not reported
Soil:	Not reported
Surface:	Not reported
Status:	Not reported
Surface Soil:	Not reported
Surface:	Not reported
TCLP:	Not reported
Waste:	Not reported

AC139 **NATIONAL FUEL GAS - BUFFALO SERVICE CENT** **EDR MGP** **1008407907**
SSE **249 WEST GENESEE STREET** **N/A**
1/4-1/2 **BUFFALO, NY 14201**
0.476 mi.
2515 ft. **Site 4 of 5 in cluster AC**

Relative:
Lower

Actual:
585 ft.

Manufactured Gas Plants:
No additional information available

AC140 **BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY** **INST CONTROL** **S107150531**
SSE **257 WEST GENESEE STREET** **BROWNFIELDS** **N/A**
1/4-1/2 **BUFFALO, NY 14202**
0.476 mi.
2515 ft. **Site 5 of 5 in cluster AC**

Relative:
Lower

Actual:
585 ft.

INST CONTROL:

Site Code:	346816
Control Name:	Environmental Easement
HW Code:	C915195
Control Code:	J
Control Type:	INST
Dt record added:	08/28/2006
Dt rec updated:	07/23/2013
Updated By:	jswalia
Site Code:	346816
Site Description:	Location: The Buffalo Urban Renewal Agency West Property site is located at the northwest corner of West Genesee and Seventh Streets in Buffalo, Erie County, New York. The former Wilkeson Slip is located directly north of the site and directly south of the Waterfront School. The site is in an urban area. Site Features: The main features of the office complex include a six -story building (East Wing), a seven story connector building, an eight-story building, and an above-ground parking garage. Current Zoning/Use(s): The site is currently zoned for commercial us e as an office building. Historical Use(s): This site is the location of a former Manufactur ed Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

In 2005 Duke Realty applied to the Brownfield Cleanup Program to rem
ediate the site in preparation for building an office building.
The site remediation consisted of excavation and off-site disposal o
f contaminated soils above the predetermined cleanup levels and
backfilling with clean soil/material. Work was completed in
2006.
An environmental easement reflecting a Site Management Plan was file
d in 2006 in the Erie County Clerk's office. Remaining groundwater
contamination will be monitored by an Operation & Monitoring
Plan. A Certificate of Completion was issued on November 30,
2006.
The cleanup has resulted in the construction of an approximately 350
,000 square foot HealthNow building by Duke Realty at the remediated
site.
Groundwater at the site is being monitored in accordance with the Si
te Management Plan, dated October 2,
2006.
Site Geology and Hydrogeology: The site is underlain by fill, soil,
and bedrock. Groundwater is contained within the overburden materials
and within fractures in the bedrock. Subsurface fill material covered
the majority of the site in thickness ranging from 4 to 14 feet. The
fill consisted primarily of silty sand, gravel, brick fragments, and
concrete and metal debris. Underlying the fill is a low-permeability
alluvium unit comprised predominantly of fine sand to clayey silt
throughout the majority of the site. Thickness of the alluvium unit
ranges from 2 to 12 feet. Bedrock is encountered below the alluvium
at depths from 18 to 25 feet below ground surface (bgs).
Groundwater was found between 2 to 8 feet bgs in the overburden mater
ials. Groundwater elevation data from site monitoring wells have
suggested radial flow, away from the center of the site with three
major components of flow, one to the south, one to the east, and one
to the north. The nature of the flow is more likely the result of
anthropogenic influences; deep sewer lines to the south and east
immediately adjacent to the property line and the buried Wilkeson
Slip to the north.

Env Problem: Nature and Extent of Contamination: This property was impacted by th
e Former Buffalo Service Center. The site was remediated in 2005-06
and no longer poses a significant threat to the
environment.
Constituents identified in Site groundwater consisted primarily of b
enzene, toluene, ethylbenzene, and xylene (BTEX) and polycyclic
aromatic hydrocarbons (PAHs). Total BTEX concentrations ranged from
370 micrograms per liter (g/l) to 29,500 g/l. Total PAH
concentrations in some wells ranged from 780 g/l to 14,500 g/l.
Currently, the groundwater is being monitored for BTEX and PAHs unde
r the Site Management Plan, dated October 2, 2006.

Health Problem: All contaminated soil and waste have been removed from the site.
Groundwater beneath the site is highly contaminated, however, the
area is served by public water so exposures via drinking water are
not expected. Air samples taken within the Waterfront School in 1996
and 2002 did not detect site-related contaminants. A vapor intrusion
mitigation system was installed in the Waterfront School.

Site Code: 346816
Control Name: Landuse Restriction
HW Code: C915195
Control Code: 25

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346816
Site Description: Location: The Buffalo Urban Renewal Agency West Property site is located at the northwest corner of West Genesee and Seventh Streets in Buffalo, Erie County, New York. The former Wilkeson Slip is located directly north of the site and directly south of the Waterfront School. The site is in an urban area.

Site Features: The main features of the office complex include a six -story building (East Wing), a seven story connector building, an eight-story building, and an above-ground parking garage.

Current Zoning/Use(s): The site is currently zoned for commercial us e as an office building.

Historical Use(s): This site is the location of a former Manufactur ed Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.

In 2005 Duke Realty applied to the Brownfield Cleanup Program to rem ediate the site in preparation for building an office building.

The site remediation consisted of excavation and off-site disposal o f contaminated soils above the predetermined cleanup levels and backfilling with clean soil/material. Work was completed in 2006.

An environmental easement reflecting a Site Management Plan was file d in 2006 in the Erie County Clerk’s office. Remaining groundwater contamination will be monitored by an Operation & Monitoring Plan. A Certificate of Completion was issued on November 30, 2006.

The cleanup has resulted in the construction of an approximately 350 ,000 square foot HealthNow building by Duke Realty at the remediated site.

Groundwater at the site is being monitored in accordance with the Si te Management Plan, dated October 2, 2006.

Site Geology and Hydrogeology: The site is underlain by fill, soil, and bedrock. Groundwater is contained within the overburden materials and within fractures in the bedrock. Subsurface fill material covered the majority of the site in thickness ranging from 4 to 14 feet. The fill consisted primarily of silty sand, gravel, brick fragments, and concrete and metal debris. Underlying the fill is a low-permeability alluvium unit comprised predominantly of fine sand to clayey silt throughout the majority of the site. Thickness of the alluvium unit ranges from 2 to 12 feet. Bedrock is encountered below the alluvium at depths from 18 to 25 feet below ground surface (bgs).

Groundwater was found between 2 to 8 feet bgs in the overburden mater ials. Groundwater elevation data from site monitoring wells have suggested radial flow, away from the center of the site with three major components of flow, one to the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the south and east

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

immediately adjacent to the property line and the buried Wilkeson Slip to the north.

Env Problem: Nature and Extent of Contamination: This property was impacted by th e Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.

Constituents identified in Site groundwater consisted primarily of b enzene, toluene, ethylbenzene, and xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs). Total BTEX concentrations ranged from 370 micrograms per liter (g/l) to 29,500 g/l. Total PAH concentrations in some wells ranged from 780 g/l to 14,500 g/l.

Currently, the groundwater is being monitored for BTEX and PAHs unde r the Site Management Plan, dated October 2, 2006.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is highly contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Site Code: 346816
Control Name: Soil Management Plan
HW Code: C915195
Control Code: 14
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346816

Site Description: Location: The Buffalo Urban Renewal Agency West Property site is located at the northwest corner of West Genesee and Seventh Streets in Buffalo, Erie County, New York. The former Wilkeson Slip is located directly north of the site and directly south of the Waterfront School. The site is in an urban area.

Site Features: The main features of the office complex include a six -story building (East Wing), a seven story connector building, an eight-story building, and an above-ground parking garage.

Current Zoning/Use(s): The site is currently zoned for commercial us e as an office building.

Historical Use(s): This site is the location of a former Manufactur ed Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.

In 2005 Duke Realty applied to the Brownfield Cleanup Program to rem ediate the site in preparation for building an office building.

The site remediation consisted of excavation and off-site disposal o f contaminated soils above the predetermined cleanup levels and backfilling with clean soil/material. Work was completed in 2006.

An environmental easement reflecting a Site Management Plan was file d in 2006 in the Erie County Clerk’s office. Remaining groundwater contamination will be monitored by an Operation & Monitoring

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

Plan. A Certificate of Completion was issued on November 30, 2006.
The cleanup has resulted in the construction of an approximately 350 ,000 square foot HealthNow building by Duke Realty at the remediated site.
Groundwater at the site is being monitored in accordance with the Si te Management Plan, dated October 2, 2006.
Site Geology and Hydrogeology: The site is underlain by fill, soil, and bedrock. Groundwater is contained within the overburden materials and within fractures in the bedrock. Subsurface fill material covered the majority of the site in thickness ranging from 4 to 14 feet. The fill consisted primarily of silty sand, gravel, brick fragments, and concrete and metal debris. Underlying the fill is a low-permeability alluvium unit comprised predominantly of fine sand to clayey silt throughout the majority of the site. Thickness of the alluvium unit ranges from 2 to 12 feet. Bedrock is encountered below the alluvium at depths from 18 to 25 feet below ground surface (bgs).
Groundwater was found between 2 to 8 feet bgs in the overburden mater ials. Groundwater elevation data from site monitoring wells have suggested radial flow, away from the center of the site with three major components of flow, one to the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the south and east immediately adjacent to the property line and the buried Wilkeson Slip to the north.

Env Problem: Nature and Extent of Contamination: This property was impacted by th e Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.
Constituents identified in Site groundwater consisted primarily of b enzene, toluene, ethylbenzene, and xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs). Total BTEX concentrations ranged from 370 micrograms per liter (g/l) to 29,500 g/l. Total PAH concentrations in some wells ranged from 780 g/l to 14,500 g/l.
Currently, the groundwater is being monitored for BTEX and PAHs unde r the Site Management Plan, dated October 2, 2006.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is highly contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Site Code: 346816
Control Name: Ground Water Use Restriction
HW Code: C915195
Control Code: 08
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346816
Site Description: Location: The Buffalo Urban Renewal Agency West Property site is located at the northwest corner of West Genesee and Seventh Streets in Buffalo, Erie County, New York. The former Wilkeson Slip is located directly north of the site and directly south of the

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

Waterfront School. The site is in an urban area.
Site Features: The main features of the office complex include a six -story building (East Wing), a seven story connector building, an eight-story building, and an above-ground parking garage.
Current Zoning/Use(s): The site is currently zoned for commercial us e as an office building.
Historical Use(s): This site is the location of a former Manufactur ed Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.
In 2005 Duke Realty applied to the Brownfield Cleanup Program to rem ediate the site in preparation for building an office building.
The site remediation consisted of excavation and off-site disposal o f contaminated soils above the predetermined cleanup levels and backfilling with clean soil/material. Work was completed in 2006.
An environmental easement reflecting a Site Management Plan was file d in 2006 in the Erie County Clerk's office. Remaining groundwater contamination will be monitored by an Operation & Monitoring Plan. A Certificate of Completion was issued on November 30, 2006.
The cleanup has resulted in the construction of an approximately 350 ,000 square foot HealthNow building by Duke Realty at the remediated site.
Groundwater at the site is being monitored in accordance with the Si te Management Plan, dated October 2, 2006.
Site Geology and Hydrogeology: The site is underlain by fill, soil, and bedrock. Groundwater is contained within the overburden materials and within fractures in the bedrock. Subsurface fill material covered the majority of the site in thickness ranging from 4 to 14 feet. The fill consisted primarily of silty sand, gravel, brick fragments, and concrete and metal debris. Underlying the fill is a low-permeability alluvium unit comprised predominantly of fine sand to clayey silt throughout the majority of the site. Thickness of the alluvium unit ranges from 2 to 12 feet. Bedrock is encountered below the alluvium at depths from 18 to 25 feet below ground surface (bgs).
Groundwater was found between 2 to 8 feet bgs in the overburden mater ials. Groundwater elevation data from site monitoring wells have suggested radial flow, away from the center of the site with three major components of flow, one to the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the south and east immediately adjacent to the property line and the buried Wilkeson Slip to the north.

Env Problem: Nature and Extent of Contamination: This property was impacted by th e Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.
Constituents identified in Site groundwater consisted primarily of b enzene, toluene, ethylbenzene, and xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs). Total BTEX concentrations ranged from

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

370 micrograms per liter (g/l) to 29,500 g/l. Total PAH concentrations in some wells ranged from 780 g/l to 14,500 g/l.
Currently, the groundwater is being monitored for BTEX and PAHs unde r the Site Management Plan, dated October 2, 2006.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is highly contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Site Code: 346816
Control Name: Site Management Plan
HW Code: C915195
Control Code: 32
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346816

Site Description: Location: The Buffalo Urban Renewal Agency West Property site is located at the northwest corner of West Genesee and Seventh Streets in Buffalo, Erie County, New York. The former Wilkeson Slip is located directly north of the site and directly south of the Waterfront School. The site is in an urban area.
Site Features: The main features of the office complex include a six -story building (East Wing), a seven story connector building, an eight-story building, and an above-ground parking garage.
Current Zoning/Use(s): The site is currently zoned for commercial us e as an office building.
Historical Use(s): This site is the location of a former Manufactur ed Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.
In 2005 Duke Realty applied to the Brownfield Cleanup Program to rem ediate the site in preparation for building an office building.
The site remediation consisted of excavation and off-site disposal o f contaminated soils above the predetermined cleanup levels and backfilling with clean soil/material. Work was completed in 2006.
An environmental easement reflecting a Site Management Plan was file d in 2006 in the Erie County Clerk's office. Remaining groundwater contamination will be monitored by an Operation & Monitoring Plan. A Certificate of Completion was issued on November 30, 2006.
The cleanup has resulted in the construction of an approximately 350 ,000 square foot HealthNow building by Duke Realty at the remediated site.
Groundwater at the site is being monitored in accordance with the Si te Management Plan, dated October 2, 2006.
Site Geology and Hydrogeology: The site is underlain by fill, soil,

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

and bedrock. Groundwater is contained within the overburden materials and within fractures in the bedrock. Subsurface fill material covered the majority of the site in thickness ranging from 4 to 14 feet. The fill consisted primarily of silty sand, gravel, brick fragments, and concrete and metal debris. Underlying the fill is a low-permeability alluvium unit comprised predominantly of fine sand to clayey silt throughout the majority of the site. Thickness of the alluvium unit ranges from 2 to 12 feet. Bedrock is encountered below the alluvium at depths from 18 to 25 feet below ground surface (bgs).
Groundwater was found between 2 to 8 feet bgs in the overburden mater ials. Groundwater elevation data from site monitoring wells have suggested radial flow, away from the center of the site with three major components of flow, one to the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the south and east immediately adjacent to the property line and the buried Wilkeson Slip to the north.

Env Problem: Nature and Extent of Contamination: This property was impacted by th e Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.
Constituents identified in Site groundwater consisted primarily of b enzene, toluene, ethylbenzene, and xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs). Total BTEX concentrations ranged from 370 micrograms per liter (g/l) to 29,500 g/l. Total PAH concentrations in some wells ranged from 780 g/l to 14,500 g/l.
Currently, the groundwater is being monitored for BTEX and PAHs unde r the Site Management Plan, dated October 2, 2006.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is highly contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

Site Code: 346816
Control Name: O&M Plan
HW Code: C915195
Control Code: 33
Control Type: INST
Dt record added: 08/28/2006
Dt rec updated: 07/23/2013
Updated By: jswalia
Site Code: 346816

Site Description: Location: The Buffalo Urban Renewal Agency West Property site is located at the northwest corner of West Genesee and Seventh Streets in Buffalo, Erie County, New York. The former Wilkeson Slip is located directly north of the site and directly south of the Waterfront School. The site is in an urban area.
Site Features: The main features of the office complex include a six -story building (East Wing), a seven story connector building, an eight-story building, and an above-ground parking garage.
Current Zoning/Use(s): The site is currently zoned for commercial us e as an office building.
Historical Use(s): This site is the location of a former Manufactur ed Gas Plant (MGP) which was operated by various companies from 1848

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.

In 2005 Duke Realty applied to the Brownfield Cleanup Program to rem ediate the site in preparation for building an office building.

The site remediation consisted of excavation and off-site disposal o f contaminated soils above the predetermined cleanup levels and backfilling with clean soil/material. Work was completed in 2006.

An environmental easement reflecting a Site Management Plan was file d in 2006 in the Erie County Clerk's office. Remaining groundwater contamination will be monitored by an Operation & Monitoring Plan. A Certificate of Completion was issued on November 30, 2006.

The cleanup has resulted in the construction of an approximately 350 ,000 square foot HealthNow building by Duke Realty at the remediated site.

Groundwater at the site is being monitored in accordance with the Si te Management Plan, dated October 2, 2006.

Site Geology and Hydrogeology: The site is underlain by fill, soil, and bedrock. Groundwater is contained within the overburden materials and within fractures in the bedrock. Subsurface fill material covered the majority of the site in thickness ranging from 4 to 14 feet. The fill consisted primarily of silty sand, gravel, brick fragments, and concrete and metal debris. Underlying the fill is a low-permeability alluvium unit comprised predominantly of fine sand to clayey silt throughout the majority of the site. Thickness of the alluvium unit ranges from 2 to 12 feet. Bedrock is encountered below the alluvium at depths from 18 to 25 feet below ground surface (bgs).

Groundwater was found between 2 to 8 feet bgs in the overburden mater ials. Groundwater elevation data from site monitoring wells have suggested radial flow, away from the center of the site with three major components of flow, one to the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the south and east immediately adjacent to the property line and the buried Wilkeson Slip to the north.

Env Problem: Nature and Extent of Contamination: This property was impacted by th e Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.

Constituents identified in Site groundwater consisted primarily of b enzene, toluene, ethylbenzene, and xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs). Total BTEX concentrations ranged from 370 micrograms per liter (g/l) to 29,500 g/l. Total PAH concentrations in some wells ranged from 780 g/l to 14,500 g/l.

Currently, the groundwater is being monitored for BTEX and PAHs unde r the Site Management Plan, dated October 2, 2006.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is highly contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

mitigation system was installed in the Waterfront School.

BROWNFIELDS:
Program: BCP
Site Code: 346816
Site Description: Location: The Buffalo Urban Renewal Agency West Property site is located at the northwest corner of West Genesee and Seventh Streets in Buffalo, Erie County, New York. The former Wilkeson Slip is located directly north of the site and directly south of the Waterfront School. The site is in an urban area.Site Features: The main features of the office complex include a six-story building (East Wing), a seven story connector building, an eight-story building, and an above-ground parking garage. Current Zoning/Use(s): The site is currently zoned for commercial use as an office building. Historical Use(s): This site is the location of a former Manufactured Gas Plant (MGP) which was operated by various companies from 1848 to 1948. The site was initially investigated by the owner - National Fuel Gas during the period 1989 to 2004. The investigation confirmed the presence of MGP wastes (containing benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, total cyanides) in soil and groundwater at the site.In 2005 Duke Realty applied to the Brownfield Cleanup Program to remediate the site in preparation for building an office building. The site remediation consisted of excavation and off-site disposal of contaminated soils above the predetermined cleanup levels and backfilling with clean soil/material. Work was completed in 2006.An environmental easement reflecting a Site Management Plan was filed in 2006 in the Erie County Clerk’s office. Remaining groundwater contamination will be monitored by an Operation & Monitoring Plan. A Certificate of Completion was issued on November 30, 2006.The cleanup has resulted in the construction of an approximately 350,000 square foot HealthNow building by Duke Realty at the remediated site.Groundwater at the site is being monitored in accordance with the Site Management Plan, dated October 2, 2006.Site Geology and Hydrogeology: The site is underlain by fill, soil, and bedrock. Groundwater is contained within the overburden materials and within fractures in the bedrock. Subsurface fill material covered the majority of the site in thickness ranging from 4 to 14 feet. The fill consisted primarily of silty sand, gravel, brick fragments, and concrete and metal debris. Underlying the fill is a low-permeability alluvium unit comprised predominantly of fine sand to clayey silt throughout the majority of the site. Thickness of the alluvium unit ranges from 2 to 12 feet. Bedrock is encountered below the alluvium at depths from 18 to 25 feet below ground surface (bgs). Groundwater was found between 2 to 8 feet bgs in the overburden materials. Groundwater elevation data from site monitoring wells have suggested radial flow, away from the center of the site with three major components of flow, one to the south, one to the east, and one to the north. The nature of the flow is more likely the result of anthropogenic influences; deep sewer lines to the south and east immediately adjacent to the property line and the buried Wilkeson Slip to the north.
Env Problem: Nature and Extent of Contamination: This property was impacted by the Former Buffalo Service Center. The site was remediated in 2005-06 and no longer poses a significant threat to the environment.Constituents identified in Site groundwater consisted primarily of benzene, toluene, ethylbenzene, and xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs). Total BTEX concentrations ranged from 370

BUFFALO URBAN RENEWAL AGENCY WEST PROPERTY (Continued) **S107150531**

micrograms per liter (g/l) to 29,500 g/l. Total PAH concentrations in some wells ranged from 780 g/l to 14,500 g/l. Currently, the groundwater is being monitored for BTEX and PAHs under the Site Management Plan, dated October 2, 2006.

Health Problem: All contaminated soil and waste have been removed from the site. Groundwater beneath the site is highly contaminated, however, the area is served by public water so exposures via drinking water are not expected. Air samples taken within the Waterfront School in 1996 and 2002 did not detect site-related contaminants. A vapor intrusion mitigation system was installed in the Waterfront School.

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141 ENE 1/4-1/2 0.479 mi. 2531 ft.

NOCO MOTOR FUELS S-45
400 VIRGINIA AVE
BUFFALO, NY 14201

LTANKS UST **U001851847 N/A**

Relative: Higher

Actual: 626 ft.

LTANKS:

Site ID:	115285
Spill Number/Closed Date:	9401935 / 6/10/1994
Spill Date:	5/9/1994
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	6/10/1994
Cleanup Meets Standard:	True
SWIS:	1502
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	5/9/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	5/10/1994
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	5/12/1994
Spill Record Last Update:	1/31/1995
Spiller Name:	Not reported
Spiller Company:	NOCO ENERGY
Spiller Address:	700 GRAND ISLAND BLVD
Spiller City,St,Zip:	TONAWANDA, NY 14150
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	100458
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JDC"05/09/94: JDC ON SITE, TANK EXCAVATION NO VISIABLE CONTAMINATION, SENT LETTER TO GARY ROESCH, NOCO REQUEST STANDARD CLEANUP AND TESTING. 05/10/94: JDC ON SITE, EXCAVATION FOR THIRD TANK SHOWD NO EVIDENCE OF CONTAMINATION. SOIL SAMPLES COLLECTED FOR CLEAN DETEMINATION. 06/10/94: POST ANALYSIS FOR BOTH EXCAVATIONS MEET SOIL STANDARDS; REMOVED SOIL ANALYSIS INDICATES NON-HAZ. 6/10/94 LETTER FROM NOCO STATED SOILS REMOVED TO RIVER RD FOR BIO-TREAT. NO FURTHER

NOCO MOTOR FUELS S-45 (Continued) **U001851847**

ACTION REQUIRED.
Remarks: SOIL CONTAMINATION FOUND DURING TANK REMOVAL

Material:
Site ID: 115285
Operable Unit ID: 999002
Operable Unit: 01
Material ID: 385674
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

UST:
Id/Status: 9-222615 / Unregulated
Program Type: PBS
Region: STATE
DEC Region: 9
Expiration Date: N/A
UTM X: 183460.71061000001
UTM Y: 4756659.4088599999
Site Type: Retail Gasoline Sales

Affiliation Records:
Site Id: 53090
Affiliation Type: Mail Contact
Company Name: NOCO ENERGY CORP
Contact Type: Not reported
Contact Name: GARY ROESCH
Address1: 700 GRAND ISLAND BLVD
Address2: Not reported
City: TONAWANDA
State: NY
Zip Code: 14150
Country Code: 001
Phone: (716) 874-6200
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 53090
Affiliation Type: On-Site Operator
Company Name: NOCO MOTOR FUELS S-45
Contact Type: Not reported
Contact Name: NOCO MOTOR FUELS
Address1: Not reported
Address2: Not reported

NOCO MOTOR FUELS S-45 (Continued) **U001851847**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 884-4276
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	53090
Affiliation Type:	Emergency Contact
Company Name:	NOCO MOTOR FUELS
Contact Type:	Not reported
Contact Name:	GARY ROESCH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 874-6200
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	53090
Affiliation Type:	Facility Owner
Company Name:	NOCO MOTOR FUELS
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	2440 SHERIDAN DRIVE
Address2:	Not reported
City:	TONAWANDA
State:	NY
Zip Code:	14150
Country Code:	001
Phone:	(716) 833-6626
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	1
Tank ID:	164319
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	05/01/1972
Date Tank Closed:	05/01/1994
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009

NOCO MOTOR FUELS S-45 (Continued) **U001851847**

Common Name of Substance: Gasoline

Tightness Test Method: 14
Date Test: 04/01/1992
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser

Tank Number: 2
Tank ID: 164320
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 10000
Install Date: 09/01/1977
Date Tank Closed: 05/01/1994
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 14
Date Test: 04/01/1992
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G00 - Tank Secondary Containment - None
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 3
Tank ID: 164321
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 10000

NOCO MOTOR FUELS S-45 (Continued) **U001851847**

Install Date:	09/01/1977
Date Tank Closed:	05/01/1994
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	14
Date Test:	04/01/1992
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
H05 - Tank Leak Detection - In-Tank System (ATG)
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)

Tank Number:	4
Tank ID:	164322
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	05/01/1955
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

NOCO MOTOR FUELS S-45 (Continued) **U001851847**

Tank Number:	5
Tank ID:	164323
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	05/01/1955
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I00 - Overfill - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser

142
ENE
1/2-1
0.783 mi.
4135 ft.

CENTURY CENTRE I
817 WASHINGTON ST
BUFFALO, NY 14203

CORRACTS **1000177343**
RCRA-CESQG **NYD002107399**
PADS
US AIRS

Relative: Higher

Actual: 636 ft.

CORRACTS:

EPA ID:	NYD002107399
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19940112
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	Not reported
Original schedule date:	19940331
Schedule end date:	Not reported

EPA ID:	NYD002107399
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19940719
Action:	CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

CENTURY CENTRE I (Continued) **1000177343**

EPA ID: NYD002107399
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19920922
Action: CA050 - RFA Completed
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002107399
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19881028
Action: CA050PA - RFA Completed, Assessment was a PA-Plus
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002107399
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19881216
Action: CA999NF - Corrective Action Process Terminated, No Further Action
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002107399
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19881216
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-CESQG:
Date form received by agency: 02/21/2007
Facility name: CENTURY CENTRE I
Facility address: 817 WASHINGTON ST
BUFFALO, NY 14203
EPA ID: NYD002107399
Mailing address: LOVELL PLACE
ERIE, PA 16503
Contact: RON FARAVAUGH
Contact address: LOVELL PLACE
ERIE, PA 16503
Contact country: US
Contact telephone: (814) 392-4085
Contact email: Not reported
EPA Region: 02
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

CENTURY CENTRE I (Continued) **1000177343**

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 02/20/2007
Facility name: CENTURY CENTRE I
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/20/2007
Facility name: CENTURY CENTRE I
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/20/2002
Facility name: CENTURY CENTRE I
Classification: Large Quantity Generator

Date form received by agency: 07/14/1999
Facility name: CENTURY CENTRE I
Classification: Small Quantity Generator

Date form received by agency: 03/29/1996
Facility name: CENTURY CENTRE I
Site name: TRICO PRODUCTS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 05/17/1994
Facility name: CENTURY CENTRE I
Site name: TRICO PRODUCTS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992

CENTURY CENTRE I (Continued) **1000177343**

Facility name: CENTURY CENTRE I
Site name: TRICO PRODUCTS CORP
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: CENTURY CENTRE I
Site name: TRICO PRODUCTS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Facility name: CENTURY CENTRE I
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: CENTURY CENTRE I
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Corrective Action Summary:
Event date: 10/28/1988
Event: RFA Completed, Assessment was a PA-Plus.

Event date: 12/16/1988
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 12/16/1988
Event: Corrective Action Process Terminated, No Further Action

Event date: 09/22/1992
Event: RFA Completed

Event date: 01/12/1994

CENTURY CENTRE I (Continued) **1000177343**

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 07/19/1994
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 01/27/1997
Date achieved compliance: 02/11/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/27/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/05/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 10/11/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/13/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/31/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/13/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/18/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

CENTURY CENTRE I (Continued) **1000177343**

Evaluation lead agency: EPA

Evaluation date: 01/10/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/11/1997
Evaluation lead agency: State

Evaluation date: 11/06/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/02/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/12/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/14/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

PADS:
EPAID: NYD002107399
Facility name: TRICO PRODUCTS CORP.
Facility Address: 817 WASHINGTON STREET
BUFFALO, NY 14203
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: TRICO PRODUCTS CORP.
Contact title: Not reported
Contact name: TOMPKINS, TIM
Contact tel: (716)857-3052
Contact extension: Not reported
Mailing address: 817 WASHINGTON STREET
BUFFALO, NY 14203
Mailing country: US

CENTURY CENTRE I (Continued) **1000177343**

Cert. title: Not reported
Cert. name: Not reported
Cert. date: 01/11/1994
Date received: 02/02/1994

AIRS (AFS):

Airs Minor Details:
EPA plant ID: 110000326816
Plant name: TRICO PRODUCTS CORP
Plant address: 817 WASHINGTON ST
BUFFALO, NY 14203
County: ERIE
Region code: 02
Dunn & Bradst #: 002107399
Air quality cntrl region: 162
Sic code: 3714
Sic code desc: MOTOR VEHICLE PARTS AND ACCESSORIES
North Am. industrial classf: 336399
NAIC code description: All Other Motor Vehicle Parts Manufacturing
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

CENTURY CENTRE I (Continued) **1000177343**

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: CARBON MONOXIDE
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: TOTAL PARTICULATE MATTER
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ALL OTHER NON-ATTAINMENT FOR PRIMARY AND SECONDARY STANDARDS
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: SULFUR DIOXIDE
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

CENTURY CENTRE I (Continued) **1000177343**

Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

143
ESE
1/2-1
0.877 mi.
4629 ft.

BUFFALO TIN PLATING
194 OAK ST
BUFFALO, NY 14203

CORRACTS **1000227734**
RCRA NonGen / NLR **NYD002109452**
FINDS

Relative:
Higher

Actual:
609 ft.

CORRACTS:

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20120111
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20120111
Action: CA999NF - Corrective Action Process Terminated, No Further Action
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20120111
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20120111
Action: CA550NR
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452

BUFFALO TIN PLATING (Continued) **1000227734**

EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20040113
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19950320
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19950320
Action: CA050 - RFA Completed
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19950320
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19930908
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority

BUFFALO TIN PLATING (Continued) **1000227734**

NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20121130
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20121130
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002109452
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 20121130
Action: CA800YE
NAICS Code(s): 332813 33991
Electroplating, Plating, Polishing, Anodizing, and Coloring
Jewelry and Silverware Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: BUFFALO TIN PLATING
Facility address: 194 OAK ST
BUFFALO, NY 14203
EPA ID: NYD002109452
Mailing address: OA ST
BUFFALO, NY 14203
Contact: ALBERT NUSE
Contact address: OA ST
BUFFALO, NY 14203
Contact country: US
Contact telephone: (716) 853-1087
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.

BUFFALO TIN PLATING (Continued) **1000227734**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NUSE ALBERT H
Owner/operator address: 194 OAK ST
OPERCITY, NY 99999
Owner/operator country: US
Owner/operator telephone: (716) 853-1087
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NUSE ALBERT H
Owner/operator address: 194 OAK ST
BUFFALO, NY 14203
Owner/operator country: US
Owner/operator telephone: (716) 853-1087
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: BUFFALO TIN PLATING
Classification: Not a generator, verified

Date form received by agency: 11/19/1980
Facility name: BUFFALO TIN PLATING
Classification: Not a generator, verified

Date form received by agency: 08/07/1980
Facility name: BUFFALO TIN PLATING
Classification: Not a generator, verified

Date form received by agency: 12/31/1979

BUFFALO TIN PLATING (Continued) **1000227734**

Facility name: BUFFALO TIN PLATING
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 09/08/1993
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 03/20/1995
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 03/20/1995
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 03/20/1995
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 03/20/1995
Event: RFA Completed

Event date: 01/13/2004
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 01/11/2012
Event: CA550NR

Event date: 01/11/2012
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 01/11/2012
Event: Date For Remedy Selection (CM Imposed)

Event date: 01/11/2012
Event: Corrective Action Process Terminated, No Further Action

Event date: 11/30/2012
Event: CA800YE

Event date: 11/30/2012
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the

BUFFALO TIN PLATING (Continued) **1000227734**

migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 11/30/2012
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 05/11/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000616370

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Count: 40 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BUFFALO	1000110446	NYSDEC REGION 9	NIAGARA ST		FINDS,RCRA-NLR
BUFFALO	1000191581	NYSDOT - BIN 1022741	ROUTE 33 CONRAIL	14215	FINDS,RCRA-NLR,MANIFEST
ELLICOOT	1000554848	NYS DOT D259471	I-86	14733	FINDS,MANIFEST,RCRA-CESQG,MA
ASHVILLE	1000554849	NYSDOT	CASSADAGA CREEK E B	14710	FINDS,MANIFEST,RCRA-NLR
BUFFALO	1000554898	NYSDOT	BIN1483323570 RT 952 HATCH CK	14203	FINDS,MANIFEST,RCRA-NLR
BUFFALO	1000555051	BUFFALO CITY OF PARKS DEPT	SCAJAQUADA EXPWY RTE 198		FINDS,RCRA-NLR
BUFFALO	1000693658	NYSDOT	BIN1015350 RT20 BRIDGE/CONRAIL	14203	FINDS,RCRA-NLR,MANIFEST
BUFFALO	1000694504	NYSDOT	BIN 1022670	14222	FINDS,RCRA-NLR,MANIFEST
BUFFALO	1000705540	NYSDOT	BIN#148-1045070 OD. RAMP/I-290	14203	FINDS,RCRA-NLR,MANIFEST
CHEEKTOWAGA	1000791314	NEW YORK STATE THRUWAY AUTHORITY	RAMP OVER NB PORTER AVE	14225	FINDS,RCRA-NLR,MANIFEST
BUFFALO	1000791315	NEW YORK STATE THRUWAY AUTHORITY	I-190/CONRAIL	14225	FINDS,RCRA-NLR,MANIFEST
BUFFALO	1000912352	NYSDOT	RT 39 PERRYSBURG	14203	FINDS,RCRA-NLR,MANIFEST
BUFFALO	1001223914	NYS THRUWAY AUTH BIN 100157C	LOOP RAMP FROM BUFFALO SKYWAY	14202	FINDS,RCRA-NLR
BUFFALO	1001223916	NYS THRUWAY AUTH BIN 552015H	RAMP E CHURCH ST NB OFF RAMP		FINDS,RCRA-NLR
BUFFALO	1004762393	NYSDOT - BIN #1063100	ROUTE I-190	14203	RCRA-LQG,MANIFEST
BUFFALO	1007264873	NYS DOT	LASALLLE ARTERIAL HIGHWAY	14203	RCRA-CESQG,MANIFEST
BUFFALO	1007571201	NYS DOT BIN 1039899	RTE 198 W AVE	14203	RCRA-LQG
BUFFALO	1011863421	NYSDOT BIN 552015G	RTE 950E OVER I-190 AT EXIT N7	14202	RCRA-LQG
BUFFALO	S100493920	UNKNOWN TRUCK	ROUTE 198 EAST		LTANKS
BUFFALO	S102174029	SKYWAY CONTRACTOR	ROUTE 5 SKYWAY		SPILLS
BUFFALO	S102175440	NSYDOT PUMPHOUSE RT. 33	ROUTE 33		SPILLS
BUFFALO	S102175597	BRENTON - BLUE LIQUID	ROUTE 198		SPILLS
BUFFALO	S102178777	OIL ON ROUTE 33 WESTBOUND	ROUTE 33 WEST		SPILLS
BUFFALO	S102447738	TRUCK ON SKYWAY	ROUTE 5 - SKYWAY		SPILLS
BUFFALO	S102447806	OIL ON SKYWAY	ROUTE 5 - SKYWAY NB		SPILLS
BUFFALO	S103273838	WASTE OIL NEAR RR YARD	FUHRMANN BLVD - ROUTE 5		SPILLS
BUFFALO	S103562348	TANKER KIISLA	ROUTE 5 - LAKE ERIE		SPILLS
BUFFALO	S103562349	KIELSA TANKER	ROUTE 5 - BUFFALO HARBOR		SPILLS
BUFFALO	S103562576	MARK TWAIN MV NY9104GH	FURHMANN BLVD - ROUTE 5		SPILLS
BUFFALO	S104278929	BUFFALO POLICE RADIO TOWE	ROUTE 198 WB		LTANKS
BUFFALO	S104953303	CITY OF BFLO PARKS DEPT	ROUTE 198 SCAJAQUADA EXPR		SPILLS
BUFFALO	S107407885	INTEGRATED WASTE SYSTEM	FUHRMANN BLVD. - ROUTE 5		SPILLS
BUFFALO	S109375106	NYSDOT BIN 1022790	EGGERT/RTE 33 BIN 1022790	14203	MANIFEST
BUFFALO	S109375114	NYSDOT BIN 1022880	UNION RD ROUTE 33 BIN #1022880	14203	MANIFEST
BUFFALO	S109375121	NYSDOT BIN 1022890	CAYUGA RD RTE 33 BIN #1022890	14203	MANIFEST
ELLICOTTVILLE	S109375128	NYSDOT BIN 1042780	ROUTE 242 OVER GREAT VALLEY CR	14203	MANIFEST
BUFFALO	S109375225	NYSDOT BIN 1022609	BEST ST OVER RTE 33 BIN 102260	14203	MANIFEST
BUFFALO	S109375227	NYSDOT BIN 1022590	HIGH ST OVER RTE 33 BIN 102259	14203	MANIFEST
BUFFALO	S109581915	OIL ON ROAD	ROUTE 33 AT HUMBOLDT		SPILLS
BUFFALO	S110611121	NYSDOT BIN 1039990	PED BRIDGE OVER RTE 198	14222	MANIFEST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 09/26/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 08/23/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/08/2013
Date Data Arrived at EDR: 07/10/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 61

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/11/2013
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/26/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 07/30/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 94

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 66
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 08/07/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 32

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 10/03/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 08/07/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 32

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/03/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 08/07/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 32

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/03/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 08/07/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/03/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 08/07/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/03/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2014
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 92

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/17/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 09/26/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 19
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 09/26/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/11/2011
Number of Days to Update: 50
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 21
Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 09/26/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 09/26/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 09/26/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 07/08/2013
Date Data Arrived at EDR: 07/10/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 61

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 10/22/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/06/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 22

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/04/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Quarterly

DEL SHWS: Delisted Registry Sites
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 09/26/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/20/2013
Date Made Active in Reports: 09/11/2013
Number of Days to Update: 22
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 08/09/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/11/2013
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/26/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 143

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/30/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61
Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/09/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 111

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/26/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 06/07/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 09/12/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 07/18/2013
Date Data Arrived at EDR: 07/19/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 52

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 54

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 10/10/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 16

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: N/A

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 07/08/2013
Date Data Arrived at EDR: 07/10/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 61
Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/15/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 07/08/2013
Date Data Arrived at EDR: 07/10/2013
Date Made Active in Reports: 09/09/2013
Number of Days to Update: 61

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/23/2013
Date Data Arrived at EDR: 08/28/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 15

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/23/2013
Date Data Arrived at EDR: 08/28/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 15

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/07/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 16

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 16

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 06/06/2013
Date Data Arrived at EDR: 06/07/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 33

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 06/06/2013
Date Data Arrived at EDR: 06/07/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 33

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/23/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 08/14/2013
Date Made Active in Reports: 09/20/2013
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RITE AID
350 NIAGARA STREET
BUFFALO, NY 14201

TARGET PROPERTY COORDINATES

Latitude (North):	42.8937 - 42° 53' 37.32''
Longitude (West):	78.8856 - 78° 53' 8.16''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672645.9
UTM Y (Meters):	4750964.5
Elevation:	598 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42078-H8 BUFFALO NW, NY CA10
Most Recent Revision:	1965
East Map:	42078-H7 BUFFALO NE, NY
Most Recent Revision:	1965

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

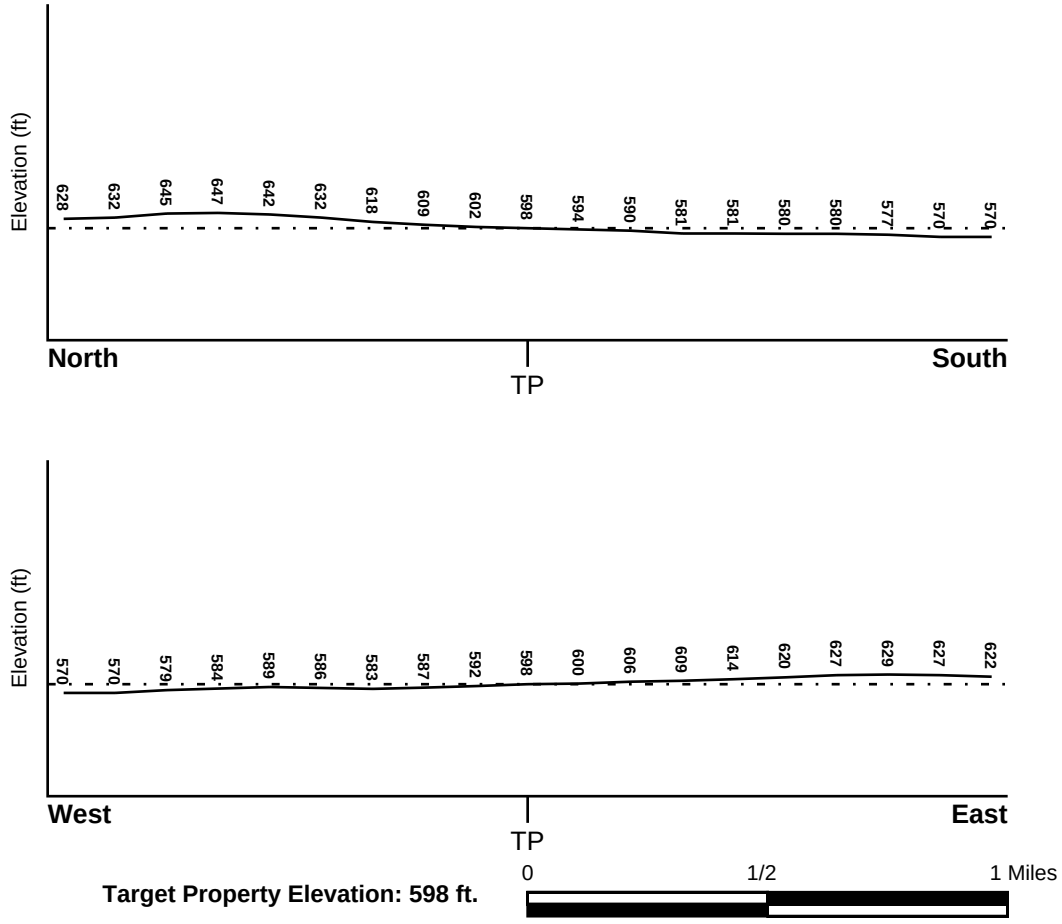
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 598 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
ERIE, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 36029C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BUFFALO NW	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
2	1/4 - 1/2 Mile SE	N
4	1/4 - 1/2 Mile NNW	W

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

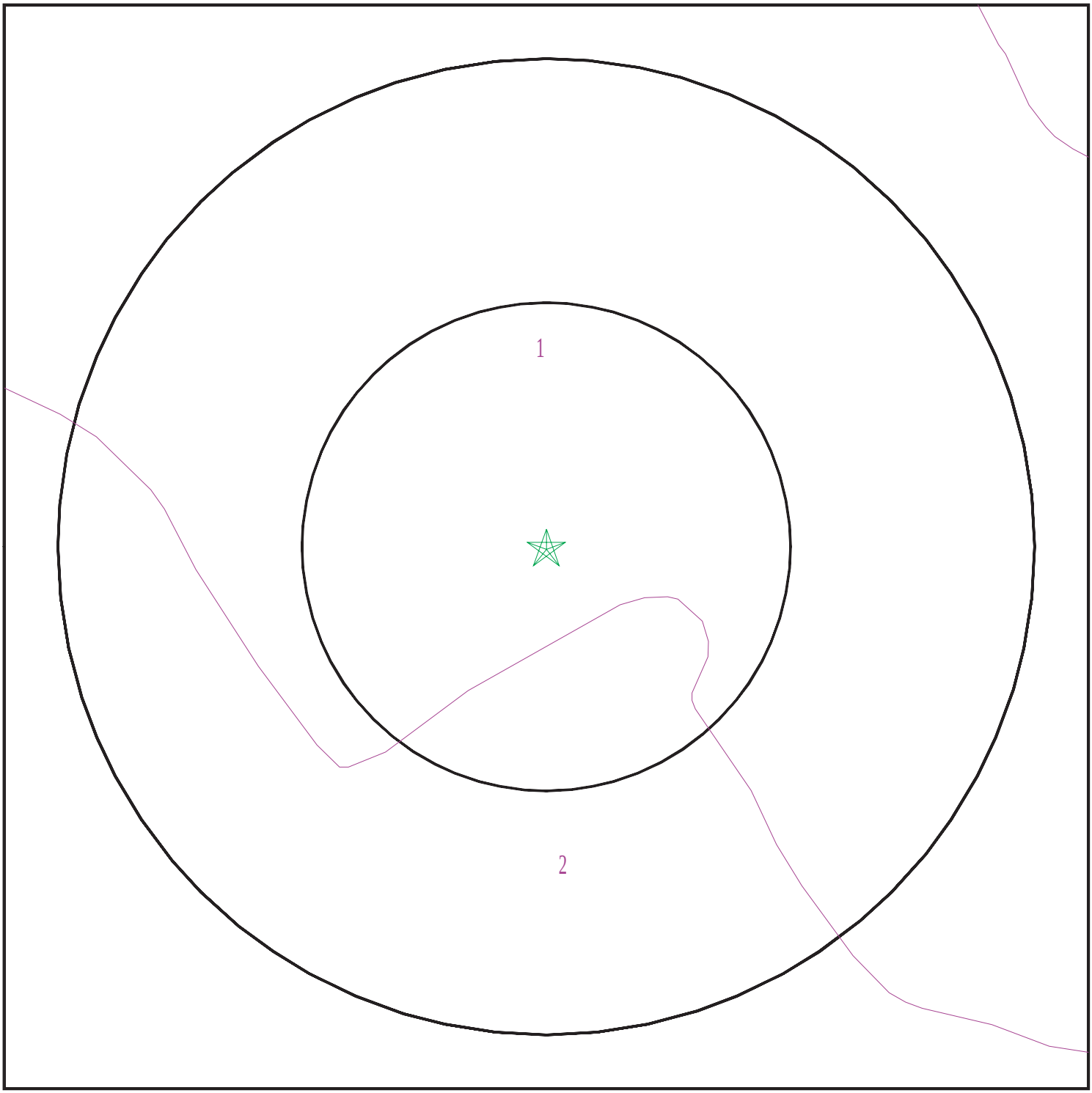
Era:	Paleozoic
System:	Devonian
Series:	Middle Devonian
Code:	D2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3776966.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Rite Aid	CLIENT:	Property Solutions, Inc.
ADDRESS:	350 Niagara Street Buffalo NY 14201	CONTACT:	Rebecca Ludwig
LAT/LONG:	42.8937 / 78.8856	INQUIRY #:	3776966.2s
		DATE:	November 05, 2013 1:00 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 54 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000864643	1/8 - 1/4 Mile SSW
3	USGS40000864746	1/4 - 1/2 Mile West
6	USGS40000864489	1/2 - 1 Mile SSE
7	USGS40000864697	1/2 - 1 Mile East
8	USGS40000864584	1/2 - 1 Mile ESE
9	USGS40000864797	1/2 - 1 Mile ENE
10	USGS40000864447	1/2 - 1 Mile SSE
11	USGS40000864884	1/2 - 1 Mile NW
12	USGS40000864508	1/2 - 1 Mile SE
13	USGS40000864431	1/2 - 1 Mile SSE
14	USGS40000864850	1/2 - 1 Mile ENE
15	USGS40000864439	1/2 - 1 Mile SE
16	USGS40000864933	1/2 - 1 Mile NW
A18	USGS40000864917	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

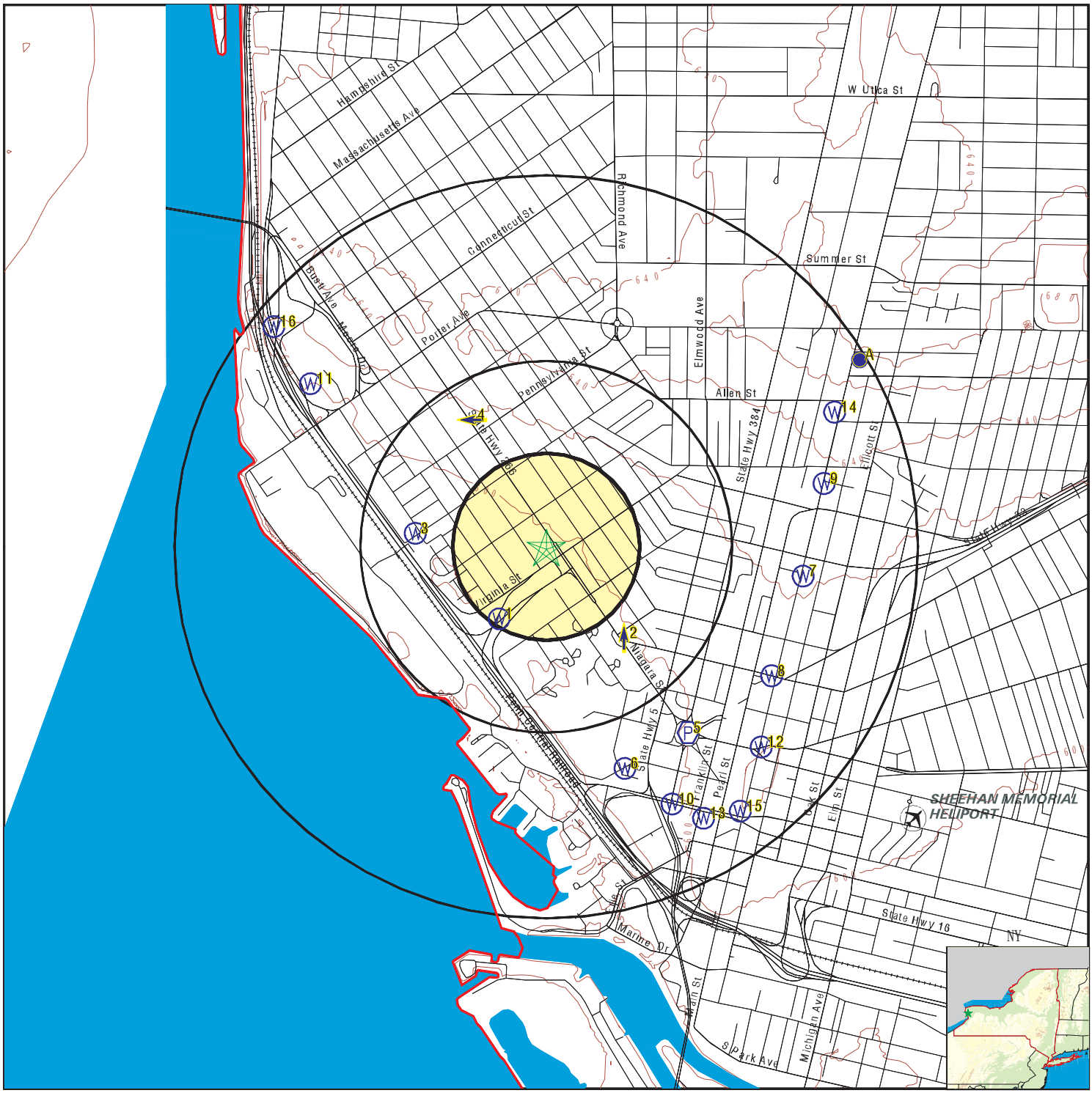
MAP ID	WELL ID	LOCATION FROM TP
5	NY0018673	1/2 - 1 Mile SE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3776966.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Rite Aid	CLIENT:	Property Solutions, Inc.
ADDRESS:	350 Niagara Street Buffalo NY 14201	CONTACT:	Rebecca Ludwig
LAT/LONG:	42.8937 / 78.8856	INQUIRY #:	3776966.2s
		DATE:	November 05, 2013 1:00 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SSW
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000864643**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425327078531801		
Monloc name:	E 285		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNW-6		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8908912
Longitude:	-78.8880915	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	595
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

2
SE
1/4 - 1/2 Mile
Higher

AQUIFLOW **60515**

Site ID:	9402191
Groundwater Flow:	N
Shallowest Water Table Depth:	94.4
Deepest Water Table Depth:	95.14
Average Water Table Depth:	Not Reported
Date:	09/1996

3
West
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000864746**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425339078533401		
Monloc name:	E 295		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNW-7		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8942244
Longitude:	-78.8925362	Sourcemap scale:	24000

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	583
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

4
NNW
1/4 - 1/2 Mile
Higher

AQUIFLOW **60521**

Site ID:	9402249
Groundwater Flow:	W
Shallowest Water Table Depth:	Not Reported
Deepest Water Table Depth:	6.1
Average Water Table Depth:	Not Reported
Date:	04/01/1994

5
SE
1/2 - 1 Mile
Higher

FRDS PWS **NY0018673**

PWS ID:	NY0018673		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	PRYME TIME RESTAURANT CHAFFEE, NY 14030		
Addressee / Facility:	System Owner/Responsible Party CARMODY JAMES T PIONEER TRI COUNTY ENT LTD 123 MICHIGAN AVE BUFFALO, NY 14204		
Facility Latitude:	42 53 11	Facility Longitude:	078 52 42
City Served:	SARDINIA (T)		
Treatment Class	Not Reported	Population:	Not Reported

Violations information not reported.

6
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS40000864489**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425306078525401		
Monloc name:	E 278		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNW-5		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8850579
Longitude:	-78.8814246	Sourcemap scale:	24000

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	585
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

7
East **FED USGS** **USGS40000864697**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425333078522001		
Monloc name:	E 289		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-115		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8925579
Longitude:	-78.8719799	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	621
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

8
ESE **FED USGS** **USGS40000864584**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425319078522601		
Monloc name:	E 282		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-116		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.888669
Longitude:	-78.8736465	Sourcemap scale:	24000

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	616
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

9
ENE **FED USGS** **USGS40000864797**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425346078521601		
Monloc name:	E 298		
Monloc type:	Well		
Monloc desc:	Niagara Project: BNE-114		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.896169
Longitude:	-78.8708688	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	636
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

10
SSE **FED USGS** **USGS40000864447**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425301078524501		
Monloc name:	E 274		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNW-4		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.883669
Longitude:	-78.8789245	Sourcemap scale:	24000

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	590
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

11
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40000864884**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425400078535401		
Monloc name:	E 303		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNW-8		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.9000577
Longitude:	-78.898092	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	585
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

12
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000864508**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425309078522801		
Monloc name:	E 280		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-117		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8858913
Longitude:	-78.8742021	Sourcemap scale:	24000

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	619
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

13
SSE **FED USGS** **USGS40000864431**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425259078523901		
Monloc name:	E 271		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	04120103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8831135
Longitude:	-78.8772577	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	605.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New York and New England carbonate-rock aquifers		
Formation type:	Onondaga Limestone		
Aquifer type:	Not Reported		
Construction date:	1955	Welldepth:	80
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-03-20	30	

14
ENE **FED USGS** **USGS40000864850**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425356078521401		
Monloc name:	E 300		
Monloc type:	Well		
Monloc desc:	Niagara Project: BNE-113		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8989467
Longitude:	-78.8703132	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	651
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

15
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000864439**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425300078523201		
Monloc name:	E 272		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNW-3		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8833913
Longitude:	-78.8753132	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	618
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

16
NW
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000864933**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425408078540101		
Monloc name:	E 308		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNW-9		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.9022799
Longitude:	-78.9000365	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	589
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A17
ENE
1/2 - 1 Mile
Higher | **AQUIFLOW** | **43934**

Site ID:	8806781
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	20.99
Deepest Water Table Depth:	29.61
Average Water Table Depth:	Not Reported
Date:	11/01/1988

A18
ENE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000864917**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425405078521001		
Monloc name:	E 307		
Monloc type:	Well		
Monloc desc:	Niagara Project: BNE-112		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.9014467
Longitude:	-78.8692021	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	663
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
ERIE	ALDEN	123	5.69	1.93	185.3
ERIE	AMHERST	864	2.57	1.15	115.6
ERIE	AURORA	436	10.94	4.46	215.6
ERIE	BOSTON	101	9.51	4.47	49.9
ERIE	BRANT	9	12.9	4.13	78.7
ERIE	BUFFALO	936	1.18	0.62	63.2
ERIE	CHEEKTOWAGA	444	1.03	0.71	30.8
ERIE	CLARENCE	244	6.79	2.37	207.8
ERIE	COLDEN	45	5.4	3.44	38
ERIE	COLLINS	48	11.83	4.76	115.1
ERIE	CONCORD	180	15.75	7.87	163
ERIE	EDEN	163	6.74	3.33	206.7
ERIE	ELMA	282	8.17	3.15	213.6
ERIE	EVANS	121	5.77	2.92	92.3
ERIE	GRAND ISLAND	85	1.41	1.03	7.5
ERIE	HAMBURG	753	4.9	2.2	136.8
ERIE	HOLLAND	55	8.09	3.57	122.9
ERIE	KENMORE	146	0.75	0.56	4.8
ERIE	LACKAWANNA	42	1.45	0.83	11.4
ERIE	LANCASTER	177	2.76	1.17	155.1
ERIE	MARILLA	239	28.88	9.31	371.9
ERIE	NEWSTEAD	88	3.44	2.35	18
ERIE	NO. COLLINS	28	7.97	3.88	75.6
ERIE	ORCHARD PARK	490	4.8	2.37	116.9
ERIE	SARDINIA	25	22.28	8.33	121.2
ERIE	TONAWANDA	392	1.04	0.72	18.9
ERIE	W. SENECA	266	2.51	1.35	55.8
ERIE	WALES	44	11.97	4.35	181.7

Federal EPA Radon Zone for ERIE County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ERIE COUNTY, NY

Number of sites tested: 622

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.000 pCi/L	89%	11%	0%
Basement	1.150 pCi/L	87%	11%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Phase II Environmental Site Investigation
AEI Consultants

January 3, 2014

LIMITED PHASE II SUBSURFACE INVESTIGATION

Property Identification:
Rite Aid
350 Niagara Street
Buffalo, NY 14202

AEI Project No. 326182

Prepared for:
Bluejay Management LLC
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Lawrence, NY 11559

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TABLE OF CONTENTS

1.0 SITE DESCRIPTION 1

2.0 BACKGROUND AND PURPOSE 2

3.0 INVESTIGATION EFFORTS 2

3.1 Health and Safety Plan 2
3.2 Permitting and Utility Clearance 2
3.3 Geophysical Survey 2
3.4 Drilling and Soil Sample Collection 2
3.5 Groundwater Sample Collection 3
3.6 Boring Destruction 3
3.7 Laboratory Analyses 3

4.0 FINDINGS 4

4.1 Geology and Hydrogeology 4
4.2 Soil Sample Analytical Results 4
4.3 Groundwater Sample Analytical Results 5

5.0 SUMMARY AND CONCLUSIONS 5

6.0 REPORT LIMITATIONS AND RELIANCE 7

FIGURES

Figure 1 Site Location Map
Figure 2 Site Map

TABLES

Table 1 Soil Sample Data Summary
Table 2 Groundwater Sample Data Summary

APPENDICES

Appendix A Boring Logs
Appendix B Laboratory Analytical Reports

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January 3, 2014

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Subject: Limited Phase II Subsurface Investigation
350 Niagara Street
Buffalo, NY
AEI Project No. 326182

AEI Consultants (AEI) is pleased to provide this report which describes the activities and results of the Limited Phase II Subsurface Investigation (Phase II) performed at the above referenced property (Figures 1 and 2). This investigation was completed in general accordance with the authorized scope of services outlined in our authorized Proposal Number 35789.

1.0 SITE DESCRIPTION

The subject property consists of an irregular-shaped, 1.27-acre parcel of land located on the northwest corner of the intersection of Niagara and Virginia Streets. The subject property is improved with a single-story commercial building constructed in 1995 (subject building). There are no other improvements on the subject property. The remaining portions of the subject property are covered with the associated paved parking areas, lawn areas, and landscaping. The building and lot area are shown on Figure 2.

The subject building consists of concrete block construction with a slab-on-grade foundation. The gross area of the subject building is approximately 11,067 square feet. A one story building located on the subject property is currently occupied by Rite Aid. The general land use in the vicinity of the subject property is commercial and residential.

The subject property is relatively flat and slopes to the southwest at an elevation of about 597 feet above mean sea level. The regional topographic gradient direction slopes toward the southwest and, therefore, the direction of groundwater flow beneath the subject property is inferred to be to the southwest. Lake Erie is located approximately 2,500 feet southwest of the site. Refer to Section 4.1 below for additional information on the site geology and groundwater conditions.

The site soils appear to be glacial lake Warren deposits and generally consist of silts and silty clay soils. The site is located between two large glacial moraines the Niagara Falls Moraine to the north and the Buffalo Moraine to the immediate south of the site. The moraines generally consist of boulders, gravel, sands, and silts deposited at the edge of the former glacier

approximately 12,500 years before present. Additional description of the site stratigraphy is described in Section 3.4.

2.0 BACKGROUND AND PURPOSE

Based on the information provided in a December 5, 2013 Property Solutions, Inc. Phase I Environmental Site Assessment (ESA) the subject property was historically used as a filling station, auto repair shop, a carpet cleaning operation possibly using chlorinated solvents for cleaning, a paint shop, electro plating shop and a taxicab company that had the potential to impact the soil and groundwater beneath the subject site. As such, Property Solutions, Inc. recommended the performance of a Phase II in order to assess if the property has been adversely impacted by the former operations.

AEI was retained to perform a limited subsurface investigation, including a geophysical survey to assess for the potential presence of underground storage tanks (USTs) and collection of soil and groundwater samples, to evaluate whether the past operations had adversely impacted the property.

3.0 INVESTIGATION EFFORTS

3.1 Health and Safety Plan

A site-specific health and safety plan was prepared, reviewed by onsite personnel, and kept onsite for the duration of the fieldwork.

3.2 Permitting and Utility Clearance

Prior to site subsurface work the local utility services were contacted and drilling permits were not required for this investigation. The public underground utility locating service Dig Safely New York was notified to identify public utilities in the work area. Private utility locating was conducted by GPSR of New York to identify underground utilities on the subject property.

3.3 Geophysical Survey

On December 18, 2013, a geophysical survey was conducted by GPRS of New York. The purpose of the survey was to evaluate the potential presence of current or former USTs. The geophysical survey was conducted using ground penetrating radar (GPR). The geophysical survey results indicate four potential anomalies that may have a subsurface structure present such as an UST. The four potential subsurface anomalies locations are shown on Figure 2.

3.4 Drilling and Soil Sample Collection

On December 18 and 19, 2013 nine soil borings (B-1 through B-9) were advanced on the subject property (Figure 2). The borings were advanced by Natures Way of Alden, New York using a portable direct push drilling rig. The borings were advanced to depths between 10 and 15 feet below ground surface (bgs). The location and purpose of each boring are listed below:

- Borings B-1 through B-4 were advanced in the former service station, taxi dispatch and auto rental area in the northern portion of the property. Boring B-3 is located south of the more northern subsurface potential anomaly identified by GPRS.
- Borings B-5 through B-7 were located in a second area at the south end of the property formerly occupied by a service station. Boring B-6 is located southwest of a potential subsurface anomaly. Boring B-6 is also located south of another potential subsurface anomaly and B-5 is to the north of the same anomaly.
- Borings B-8 and B-9 are located where the former carpet cleaner operated. Boring B-9 is located south of a potential subsurface anomaly.

The borings were advanced using two-inch diameter direct push rods and samples were collected by advancing the rods with acetate sample liners in approximately four-foot intervals. After each interval, the core was retrieved, core barrel disassembled, and the sample liner was removed and transferred to the onsite geologist.

The soil borings were logged using the Unified Soil Classification System. A photo ionization detector (PID) was used to screen soil samples in the field and the PID readings for each sample were included on the boring logs (Appendix A).

Down-hole equipment was decontaminated using a triple rinse system containing detergent. Investigation derived wastes were minimal and were used in backfilling the site boring they originated from so no wastes were left on-site.

3.5 Groundwater Sample Collection

On December 18, 2013, attempts were made to sample groundwater from borings B-5, B-6, and B-7. On December 19, 2013, attempts were made to sample groundwater from borings B-8, B-9, B-4, B-3, B-2 and B-1. Groundwater was collected from borings using temporary PVC casing inserted into the borehole and collected using micro bailers.

3.6 Boring Destruction

Following completion of sample collection and removal of tooling, the borings were backfilled with neat cement and drill cuttings and asphalt, cold patch or concrete was used to match the surrounding conditions.

3.7 Laboratory Analyses

The soil and groundwater samples were labeled and placed into a cooler with ice following sampling. The samples were transferred under appropriate chain-of-custody documentation to Test America of Buffalo, New York. Laboratory analytical documentation is provided in Appendix B.

Laboratory analysis of ten soil samples soil consisted of the following:
- 8 RCRA Metals by EPA Method 6010C (B-1 thorough B-7)
- VOCs by EPA Method 8260C (B-1 through B-9)
- GRO and DRO EPA Methods 8015B and 8015D, respectively (B-1 thorough B-7)

Laboratory analysis of nine groundwater samples consisted of the following:

- 8 RCRA Metals by EPA Method 6010C (B-1 thorough B-7)
- VOCs by EPA Method 8260C (B-1 through B-9)
- GRO and DRO by EPA Methods 8015B and 8015D, respectively (B-1 thorough B-7)

4.0 FINDINGS

For the purpose of providing context to the data obtained during this investigation, analytical results are compared to available regulatory screening levels. The New York State Department of Environmental Conservation (NYSDEC) has the responsibility for overseeing soil and groundwater investigation and remediation. Soil analytical results were compared to recommended soil cleanup objectives (SCO) of the NYSDEC Final Commissioner Policy 51 (CP-51) and the Environmental Remediation Program, 6 NYCRR Part 375 (Part 375) for unrestricted and commercial properties (see Table 1). Groundwater analytical results were compared with the NYSDEC groundwater standards published in the Division of Water Technical and Operations Guidance Series (TOGS) Memorandum 1.1.1 (refer to Table 2). The laboratory reports are presented in Attachment B.

4.1 Geology and Hydrogeology

The site soils appear to be glacial lake Warren deposits and the site is located between two large east-west oriented glacial moraines; the Niagara Falls Moraine is north of the site and the Buffalo Moraine is located to the immediate south of the site. The moraines generally consist of boulders, gravel, sands, and silts deposited at the edge of the former glacier. Soils encountered in each of the borings generally consisted of a thin upper layer of fill material underlain by a brown to red-brown silty clay with discrete fine sand seams observed in some of the boring soil samples (Appendix A).

Groundwater was encountered in borings B-1 through B9 from 4 feet to 12 feet below ground surface (bgs).

4.2 Soil Sample Analytical Results

The following information is a summary of the soil sample analytical test results (Appendix B). This information has also been included in Table 1.

- Chlorinated volatile organic compounds were detected in soil samples from borings B-2 and B-3. Soil sample B-3 sample from 10-12 feet bgs was found to have concentrations of 1,2-dichloroethane at 0.28 mg/kg, chlorobenzene at 2.3 mg/kg, cis 1,2 dichlorethene at 22 mg/kg, tetrachlorethene at 800 mg/kg, trichloroethene at 58 mg/kg and vinyl chloride at 3.3 mg/kg, however all were below the unrestricted use soil cleanup objectives (USCO). Soil sample B-2 from 8-11 feet bgs contained tetrachlorethene at 3.2 mg/kg and trichloroethene at 0.84 mg/kg at concentrations below the USCOs. Borings B-2 and B-3 are located in the northern part of the property where the former service station, taxi dispatch and auto rental business operated.
- Petroleum related compounds were detected in samples from borings B-5 and B-6. Soil sample B-5 sample from 4-8 feet bgs exceeded the USCO for ethylbenzene at 340 mg/kg. Soil sample B-6 from 4-8 feet bgs exceeded the USCO for benzene at 96 mg/kg,

ethylbenzene at 1,500 mg/kg, toluene at 160 mg/kg, and total xylenes at 2,600 mg/kg. Soil sample B-6 from 8-12 feet bgs exceeded the USSCO for MTBE at 1 mg/kg. Borings B-5 and B-6 are located in the southern portion of the property where a former service station operated.

Although, 8 RCRA metals were detected in the site soil samples analyzed (Table 1) the metal concentrations were within the USCOs and at those anticipated to be present in site soils since these metals are naturally occurring.

4.3 Groundwater Sample Analytical Results

The following information is a summary of the groundwater sample analytical test results (Appendix B). This information has also been included in Table 2.

- Chlorinated organic compounds were detected in groundwater sampled from borings B-2 and B-3 exceeding NYSDEC groundwater standards. Groundwater sample B-3 contained the following compounds that exceeded the groundwater standards: 1,2-dichloroethane at 2.6 ug/l, chlorobenzene at 11 ug/l, cis 1,2 dichlorethene at 230 ug/l, tetrachlorethene at 3,600 ug/l, trans 1,2 dichloroethene at 16 ug/l, trichloroethene at 520 ug/l and vinyl chloride at 16 ug/l. Groundwater sample B-2 exceeded groundwater standards for acetone at 14 ug/l and tetrachloroethene at 7.4 ug/l. Borings B-2 and B-3 are located in the northern area of the site where a former service station, taxi dispatch and auto rental business operated.
- Generally, petroleum-related contamination was detected in groundwater samples B-5 and B-6 at concentrations greater than the NYSDEC groundwater standards. Groundwater sample B-5 exceeded for benzene at 7.3 ug/l, ethylbenzene at 170 ug/l, isopropylbenzene at 22 ug/l, and total xylenes at 130 ug/l. Groundwater sample B-6 exceeded for benzene at 420 ug/l, ethylbenzene at 280 ug/l, isopropylbenzene at 29 ug/l, toluene at 140 ug/l, and total xylenes at 410 ug/l. Borings B-5 and B-6 are located in the southern portion of the property where a service station historically operated.
- Concentrations of GRO and DRO were also detected in groundwater samples from borings B-1, B-2, B-3, B-4, B-5, B-6 and B-7. It should be noted that this analysis was not run on samples collected from B-8 and B-9.
- The following groundwater samples exceeded groundwater standards for one or more of the 8 RCRA metals (total metals) B-1, B-2, B-3, B-4, B-5, B-6 and B-7. The greatest concentrations were observed in groundwater samples B-3, B-5, B-6, and B-7.

5.0 SUMMARY AND CONCLUSIONS

AEI has completed a Limited Phase II ESA at the subject property. Based on the information provided in a December 5, 2013 Property Solutions, Inc. Phase I Environmental Site Assessment (ESA) the subject property was historically used as a filling station, auto repair shop, a carpet cleaning operation possibly using chlorinated solvents for cleaning, a paint shop, electro plating shop and a taxicab company that had the potential to impact the soil and groundwater beneath the subject site. Regulator records indicate 19 underground fuel storage tanks were installed at the site, while UST removal records are only available for a few of the USTs. Property Solutions, Inc. recommended the performance of a Phase II in order to assess whether the property has been adversely impacted by the former operations.

AEI was retained to perform a limited subsurface investigation, including a geophysical survey to assess for the potential presence of underground storage tanks (USTs) and collection of soil and groundwater samples, to evaluate whether past operations had adversely impacted the property.

A total of 9 borings were advanced at the subject property for the collection of soil and groundwater samples. The results of this investigation were compared to the NYSDEC Unrestricted Use Soil Cleanup Objectives (USCO) and the Water Quality Standards for Surface and Groundwater. In the area of the former Service Station/Taxi Dispatch chlorinated volatile organic compounds (CVOCs) were detected in the soil and groundwater in borings B-2, B-3 and B-4 with the highest concentrations detected in boring B-3. A groundwater sample from boring B-3 contained tetrachloroethene at 3,600 ug/l, Cis-1,2 dichloroethene at 230 ug/l and trichloroethene at 520 ug/l as well as other breakdown products to a lesser extent. These CVOCs exceeded the groundwater quality standard of 5 ug/l. The extent of the dissolved groundwater CVOC plume is unknown at this time. However, based on the proximity of boring B-3 to the site building and the estimated direction of groundwater flow, impacted groundwater may be under the site building. In addition, a residential neighborhood is located directly adjacent and in the apparent downgradient direction from the observed CVOC groundwater contamination in boring B-3.

Soil borings advanced in the area of the former service station located on the south end of the property was found to have petroleum-related soil and groundwater contamination in borings B-5 and B-6 with the highest concentrations reported in boring B-6. In addition to soil impact above the USCOs, a groundwater sample collected from this location exhibited concentrations of benzene at 420 ug/l, ethylbenzene at 280 ug/l, methylene chloride at 28 ug/l, toluene at 140 ug/l, xylenes at 410 ug/l, as well as other petroleum constituents to a lesser extent. Based on the estimated direction of groundwater flow there is a potential that the impacted groundwater is migrating off site.

In addition to the soil and groundwater results, four anomalies which may be underground storage tanks were identified at the property as a result of the GPR survey. These anomalies should be further evaluated and if underground tanks, they should be removed in accordance with local and state requirements.

AEI recommends that the impacts to the subsurface soil and groundwater be evaluated and reported to the NYSDEC and environmental council should be consulted. The impacted soil and groundwater will need to be delineated and the extent of the dissolved VOC contaminated groundwater plumes evaluated. In addition, the potential for impact to the downgradient residential development should be assessed. As part of the additional investigation the potential for vapor intrusion will need to be evaluated for the site and the adjoining structures.

Based on the information available at this time, AEI estimates that the cost to address the impacts detected at this property to be in the range of $300,000 - $500,000. With additional investigation these numbers can be refined further.

6.0 REPORT LIMITATIONS AND RELIANCE

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, subject to scope of work for which AEI was retained and limitations inherent in this type of work, but it cannot be assumed that they are representative of areas not sampled. This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the subject property. Undocumented, unauthorized releases of hazardous material, the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation.

Any conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work. No other warranty, either expressed or implied, has been made.

This investigation was prepared for the sole use and benefit of Bluejay Management LLC and Bank of America. All reports, both verbal and written, whether in draft or final, are for the benefit of Bluejay Management LLC and Bank of America. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Bluejay Management LLC on December 11, 2013. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

If there are any questions regarding our investigation, please do not hesitate to contact AEI at 732-414-2720.

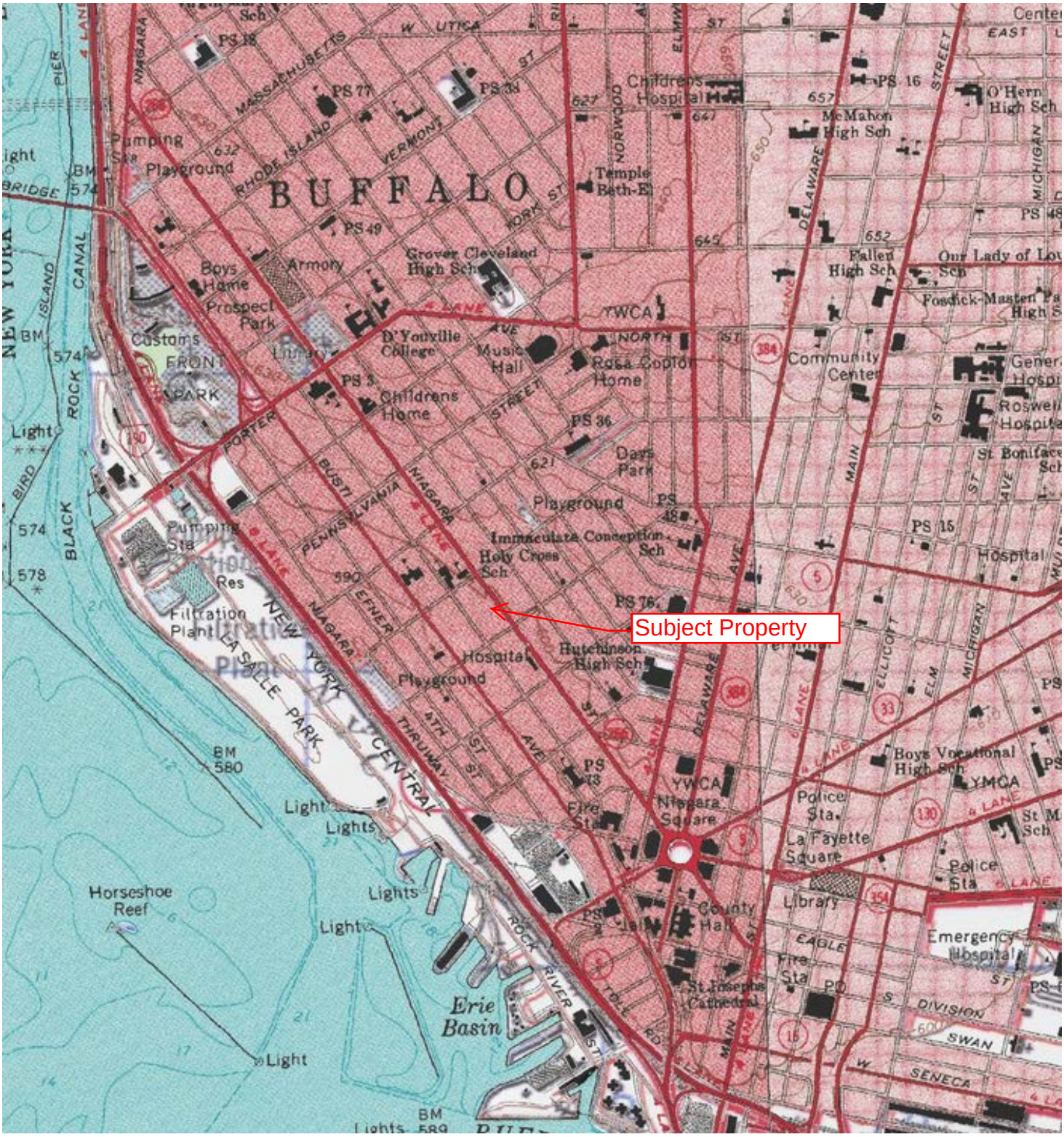
Sincerely,
AEI Consultants

Michael Maibach
Project Manager

Peter J. McGlew
Senior Hydrogeologist

FIGURE 1

SITE LOCATION MAP



SITE LOCATION MAP

350 Niagara Street, Buffalo, New York

N

Approximate Property Boundary

Source: USGS Topographic Map, *Buffalo, New York*

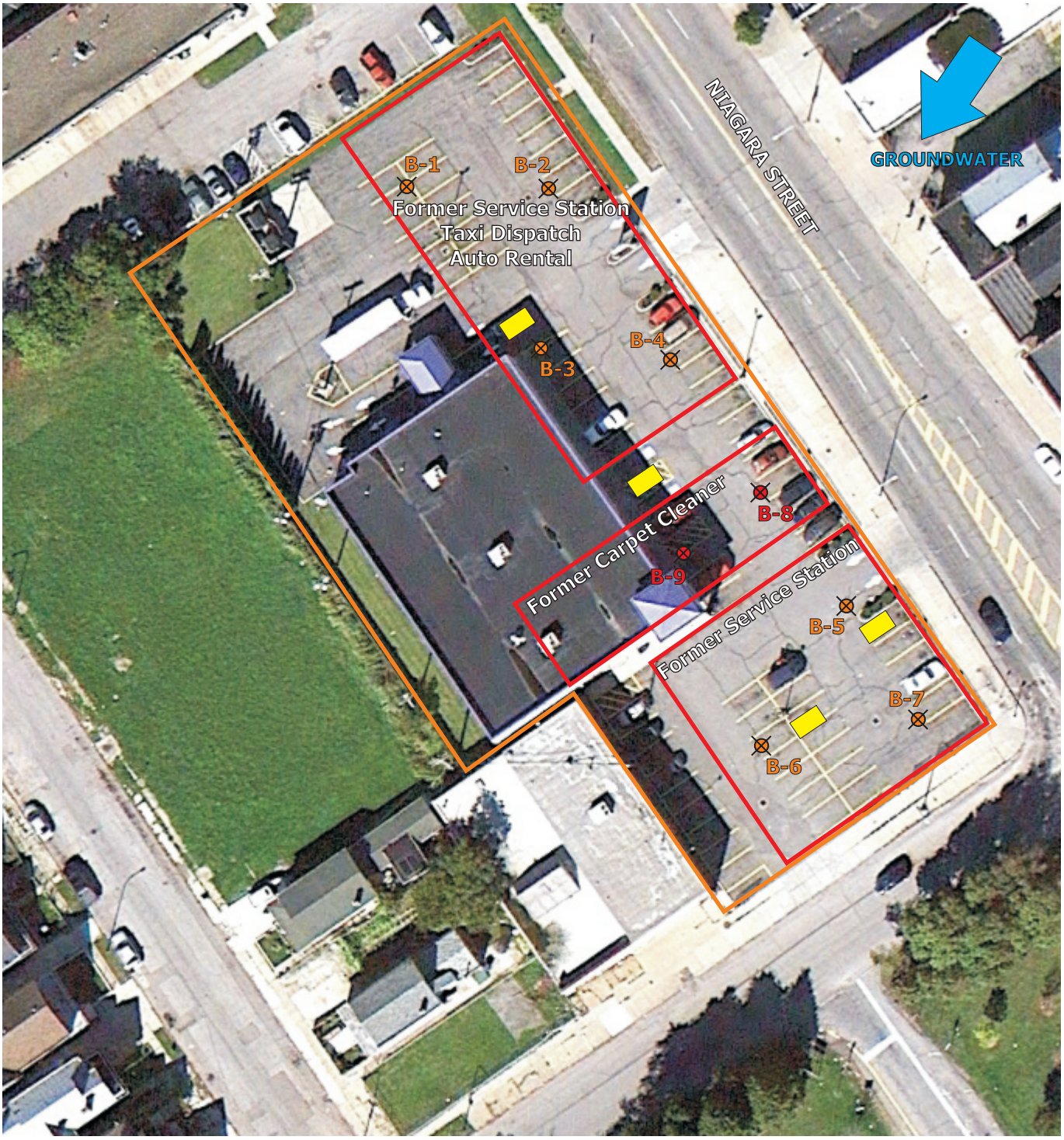
FIGURE 1

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FIGURE 2

SITE MAP



BORING LOCATION MAP

350 Niagara Street, Buffalo, New York

N

Legend

Soil Boring Hydrocarbon & VOC
Soil Boring VOC Analysis
GPR Anomaly
Approximate Former Facility
Approximate Property Boundary

FIGURE 2

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TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Table 1
Soil Sample Data Summary - 350 Niagara Street, Buffalo, NY

Volatile Organics - EPA Method 8260C (mg/Kg)	**UUSCO**	**SSCOR**	**RUSCOR**	**RUSCOC**	**B-1 11-14 12/28/2013**	**B-2 8-11 12/28/2013**	**B-3 10-12 12/27/2013**	**B-4 4-8 12/27/2013**	**B-5 4-8 12/28/2013**	**B-6 4-8 12/28/2013**	**B-6 8-12 12/28/2013**	**B-7 8-12 12/28/2013**	**B-8 8-10 12/27/2013**	**B-9 4-8 12/27/2013**
1,2-Dichloroethane	20	NS	2300	30000	ND	ND	0.28 J	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NS	100000	500000	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND
Benzene	60	NS	2900	44000	ND	ND	ND	ND	45 J	**96** J	ND	ND	ND	ND
Chlorobenzene	1100	NS	100000	500000	ND	ND	2.3 J	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	NS	5900	500000	ND	ND	22	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	NS	NS	NS	ND	ND	8.9	ND	1100	5600	ND	0.45 J	ND	ND
Ethylbenzene	1000	NS	30000	390000	ND	ND	ND	ND	340	**1500**	ND	0.35 J	ND	ND
Isopropylbenzene	NS	100000	NS	NS	ND	ND	ND	ND	200	520	ND	ND	ND	ND
Methyl tert-butyl ether	930	NS	62000	500000	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	ND
Methylcyclohexane	NS	NS	NS	NS	ND	ND	1.7 J	ND	3300	13000	ND	0.64 J	ND	ND
Tetrachloroethene	1300	35000	5500	150000	ND	3.2	800	ND	ND	ND	ND	ND	ND	ND
Toluene	700	NS	100000	500000	ND	ND	ND	ND	ND	160 J	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	NS	100000	500000	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	NS	10000	200000	ND	0.84 J	58	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	NS	210	13000	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	260	NS	100000	500000	ND	ND	ND	ND	ND	**2600**	ND	ND	ND	ND
Petroleum Hydrocarbons - EPA Method 8015B & 8015D														
Gasoline Range Organics [C6 - C10] (ug/kg)	NS	NS	NS	NS	ND	ND	ND	ND	74000	ND	ND	ND	NA	NA
Diesel Range Organics [C10 - C28] (mg/kg)	NS	NS	NS	NS	ND	ND	ND	ND	17 J	ND	ND	ND	NA	NA
RCRA Metals -EPA Method 6010C (mg/kg)														
Arsenic	13	NS	16	16	2.9	2.2	3.1	2.0	3.2	2.0	2.4	2.3	NA	NA
Barium	350	NS	350	400	66.0 B	48.8 B	63.8 B	23.6 B	62.0 B	58.5 B	16.0 J B	48.1 B	NA	NA
Cadmium	2.5	NS	2.5	9.3	0.25 J	0.21 J	0.25 J	0.22 J	0.22 J	0.21 J	0.23 J	0.19 J	NA	NA
Chromium (total)	1	NS	22	400	**12.7***	**9.4***	**12.2***	**7.3***	**13.4***	**12.8***	**5.0***	**12.1***	NA	NA
Lead	63	NS	400	1000	14.8	10.6	12.9	11.0	14.3	12.1	6.8	10.6	NA	NA
Hg	0.18	NS	0.81	2.8	ND	ND	ND	ND	ND	0.023 J	ND	0.023 J	NA	NA
Silver	2	NS	36	1500	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Selenium	3.9	NS	36	1500	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA

USCO = Unrestricted Use Soil Cleanup Objectives
SSCOR = Supplemental Soil Cleanup Objectives Residential
RUSCOR = Restricted Use Soil Cleanup Objectives Residential
RSSCO = Restricted Use Soil Cleanup Objectives Commercial

NS = No Standard
NA = Not Analyzed
ND = Not Detected
* = Results are for Total Chromium

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TABLE 2

GROUNDWATER SAMPLE ANALYTICAL RESULTS

Table 2
Groundwater Sample Data Summary - 350 Niagara Street, Buffalo, NY

Volatile Organics - EPA Method 8260C (ug/l)	**Standard WQSSWG**	**B-1 12/27/2013**		**B-2 12/27/2013**		**B-3 12/27/2013**		**B-4 12/27/2013**		**B-5 12/28/2013**		**B-6 12/28/2013**		**B-7 12/28/2013**		**B-8 12/27/2013**		**B-9 12/27/2013**	
1,1-Dichloroethene	5	ND		ND		1.8		ND		ND		ND		ND		ND		ND	
1,2-Dichloroethane	0.6	ND		ND		**2.6**		ND		ND		ND		ND		ND		ND	
2-Butanone (MEK)	NS	ND		1.7	J	ND		ND		ND	*	32	J *	ND	*	ND		ND	
Acetone		3.3	J	**14**		10		3.3	J	ND		**200**		3.8	J	3.5	J	ND	
Benzene	1	ND		ND		**1.3**		ND		**7.3**		**420**		ND		ND		ND	
Carbon disulfide	60	0.21	J	0.30	J	ND		ND		ND		ND		0.92	J	ND		ND	
Chlorobenzene	5	ND		ND		**11**		ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	ND		ND		**230**		ND		ND		ND		ND		ND		ND	
Cyclohexane	NS	ND		ND		19		ND		62		260		0.75	J	ND		ND	
Ethylbenzene	5	ND		ND		ND		ND		**170**		**280**		ND		ND		ND	
Isopropylbenzene	5	ND		ND		ND		ND		**22**		**29**		ND		ND		ND	
Methyl tert-butyl ether	NS	ND		ND		ND		ND		ND		ND		ND		0.19	J	0.59	J
Methylcyclohexane	NS	0.88	J	ND		2.4		0.42	J	110		190		0.84	J	0.25	J	0.34	J
Methylene Chloride	5	ND		ND		ND		ND		ND		**28**		ND		ND		ND	
Tetrachloroethene	5	ND		**7.4**		**3600**		0.48	J	ND		ND		ND		ND		0.45	J
Toluene	5	0.92	J	ND		0.58	J	ND		ND		**140**		ND		0.63	J	ND	
trans-1,2-Dichloroethene	5	ND		ND		**16**		ND		ND		ND		ND		ND		ND	
Trichloroethene	5	ND		2.8		**520**		ND		ND		ND		ND		ND		ND	
Vinyl chloride	2	ND		ND		**16**		ND		ND		ND		ND		ND		ND	
Xylenes, Total	5	1.1	J	ND		1.1	J	ND		**130**		**410**		ND		ND		ND	
Petroleum Hydrocarbons - EPA Method 8015B & 8015D (ug/l)																			
Gasoline Range Organics [C6 - C10]	NS	28	J	27	J	950		ND		2200		4200		41	J	NA		NA	
Diesel Range Organics [C10 - C28]	NS	1400		990		1800		280	J	4300		1300		5600		NA		NA	
RCRA Metals - EPA Method 6010C (ug/l)																			
Arsenic	25	**60.1**	J	3.5	J	**232**		**38.9**		**39.0**		**222**		**348**		NA		NA	
Barium	1000	**1370**	B	223	B	**6530**	B	899	B	**2530**	B	**1610**	B	**2510**	B	NA		NA	
Cadmium	5	**6.3**		ND		**7.8**		**7.3**		2.8	J	**11.7**		**12.9**		NA		NA	
Chromium	50	**202***		12.7*		**426***		**161***		**229***		**301***		**560***		NA		NA	
Lead	8	**723**		**85.5**		**7120**		**254**		**1340**		**1860**	^	**34.8**		NA		NA	
Selenium	10	ND		ND		7.7	J	ND		**14.9**	J	ND		**23.2**		NA		NA	
Silver	2.3	ND		ND		ND		ND		ND		ND		**65500**	^	NA		NA	
Mercury	0.7	**1.3**		0.22		**12.0**		0.18	J	**3.0**		**1.5**		**40.0**		NA		NA	

WQSSWG = Water Quality Standards Surface Waters and Groundwater

NS = No Standard
NA = Not Analyzed
ND = Not Detected
* = Results are for Total Chromium
Bold = means greater than the NYSDEC standard for groundwater
^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
* LCS or LCSD exceeds the control limits, RPD of the LCS and LCSD exceeds the control limits

AEI Consultants
Environmental & Engineering Services

ATTACHMENT A

BORING LOGS

AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
Telephone: 7324142720
Fax: 7324142721

BORING NUMBER B-1

CLIENT Bluejay Management
PROJECT NAME Rite Aid
PROJECT NUMBER 326182
PROJECT LOCATION 350 Niagara Street, Buffalo, NY 14201
DATE STARTED 12/18/13 **COMPLETED** 12/18/13
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Nature's Way
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 12.00 ft
LOGGED BY C. Babin **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					Pavement, gravel substance - Gray/white gravel fill w/ red brick	
					1.0 Brown-red silty clay, fine sand, moist with no odor	
2.5			0			
5.0						PVC Riser
			0.5			
7.5					7.0 Brown-red silty clay, fine sand, wet with no odor	
10.0			0			
					▽	
12.5	B1-11-14'					Screened PVC
			0		14.0	

Bottom of borehole at 14.0 feet.

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AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
Telephone: 7324142720
Fax: 7324142721

BORING NUMBER B-2

CLIENT Bluejay Management
PROJECT NAME Rite Aid
PROJECT NUMBER 326182
PROJECT LOCATION 350 Niagara Street, Buffalo, NY 14201
DATE STARTED 12/18/13 **COMPLETED** 12/18/13
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Nature's Way
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY C. Babin **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					Gray-red-brown-bloack fill, with concrete, brick & wood debris, dry no odor	
2.5			0.2			
					4.0 Dark gray, tan, light gray fill	
5.0						PVC Riser
			0			
7.5					8.0 Brown silty clay, moist no odor	
	B2-8-11'					
10.0			0.2			
					11.0 Brown silty clay, fine sand seams, wet, no odor	
12.5						Screened PVC
			0		14.0	

Bottom of borehole at 14.0 feet.

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AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
Telephone: 7324142720
Fax: 7324142721

BORING NUMBER B-3

CLIENT Bluejay Management
PROJECT NAME Rite Aid
PROJECT NUMBER 326182
PROJECT LOCATION 350 Niagara Street, Buffalo, NY 14201
DATE STARTED 12/19/13 **COMPLETED** 12/19/13
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Nature's Way
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 11.00 ft
LOGGED BY C. Babin **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					Pavement with crushed gravel base	
1.0					Pavement with gravel sub-base, red brick, crushed stone with silt (fill), no odor	
2.5			0			
4.0					Brown silty clay, trace fine sand, no odor, moist	
5.0						PVC Riser
7.5			0			
10.0	B3 10-12'		0			
12.5			0			Screened PVC
14.0						

Bottom of borehole at 14.0 feet.

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AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
Telephone: 7324142720
Fax: 7324142721

BORING NUMBER B-4

CLIENT Bluejay Management
PROJECT NAME Rite Aid
PROJECT NUMBER 326182
PROJECT LOCATION 350 Niagara Street, Buffalo, NY 14201
DATE STARTED 12/19/13 **COMPLETED** 12/19/13
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Nature's Way
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 8.00 ft
LOGGED BY C. Babin **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					Pavement (8"), gravel sub-base	
					1.0 Brown silty clay, no odor, dry	
2.5			0			PVC Riser
					4.0 Brown silty clay, no odor, dry	
5.0						
			0		▽	
7.5						Screened PVC
10.0			0		11.0	

Bottom of borehole at 11.0 feet.

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AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
Telephone: 7324142720
Fax: 7324142721

BORING NUMBER B-5

CLIENT Bluejay Management
PROJECT NAME Rite Aid
PROJECT NUMBER 326182
PROJECT LOCATION 350 Niagara Street, Buffalo, NY 14201
DATE STARTED 12/18/13 **COMPLETED** 12/18/13
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Nature's Way
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY C. Babin **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					Pavement (8")	
					1.0 Gray/brown gravelly fill with concrete	PVC Riser
2.5			3			
					3.0 Brown clayey silt, wet, with odor	
			224		4.0 Brown silty clay, little fine sand; wet with petroleum odor	
5.0						
	B5-4-8'		192			Screened PVC
7.5			334		8.0	
10.0						
12.5						

Bottom of borehole at 13.0 feet.

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AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
Telephone: 7324142720
Fax: 7324142721

BORING NUMBER B-6

CLIENT Bluejay Management
PROJECT NAME Rite Aid
PROJECT NUMBER 326182
PROJECT LOCATION 350 Niagara Street, Buffalo, NY 14201
DATE STARTED 12/18/13 **COMPLETED** 12/18/13
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Nature's Way
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 8.00 ft
LOGGED BY C. Babin **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					Pavement (8")	
					1.0 Fill material including red brick and crushed stone	
2.5			2.9			PVC Riser
					4.0 Brown silty clay	
5.0	B6-4-8'		5 20			
7.5					8.0 ▽ Brown silt, some fine sand (pretroleum odor 8-10')	
10.0	B6-8-12'		300 170 30			Screened PVC
					12.0 Bottom of borehole at 12.0 feet.	

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AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
Telephone: 7324142720
Fax: 7324142721

BORING NUMBER B-7

CLIENT Bluejay Management
PROJECT NAME Rite Aid
PROJECT NUMBER 326182
PROJECT LOCATION 350 Niagara Street, Buffalo, NY 14201
DATE STARTED 12/18/13 **COMPLETED** 12/18/13
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Nature's Way
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 8.00 ft
LOGGED BY C. Babin **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					Pavement (8")	
					1.0 Gray/black/red fill (brick and crushed stone)	
2.5						PVC Riser
			0.5		4.0 Black coarse gravel and fill, wet	
5.0						
7.5					8.0 ▽	
			10.5		Brown-gray silt, some fine sand, wet, no odor	
10.0	B7-8-12'					Screened PVC
			3.5		12.0	

Bottom of borehole at 12.0 feet.

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AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
Telephone: 7324142720
Fax: 7324142721

BORING NUMBER B-8

CLIENT Bluejay Management
PROJECT NAME Rite Aid
PROJECT NUMBER 326182
PROJECT LOCATION 350 Niagara Street, Buffalo, NY 14201
DATE STARTED 12/19/13 **COMPLETED** 12/19/13
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Nature's Way
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 10.00 ft
LOGGED BY C. Babin **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					Pavement (8")	
					1.0 Brown silty clay, with crushed stone fill, no odor, moist	
2.5			0			
					4.0 Brown silty clay, trace fine sand, no odor, moist and stiff	
5.0						PVC Riser
			0			
7.5						
	B8-8-10'					
10.0					10.0 ▽ Brown fine sand with some silty clay, wet, no odor	
			0			
12.5						Screened PVC
15.0			0		15.0	

Bottom of borehole at 15.0 feet.

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AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
Telephone: 7324142720
Fax: 7324142721

BORING NUMBER B-9

CLIENT Bluejay Management
PROJECT NAME Rite Aid
PROJECT NUMBER 326182
PROJECT LOCATION 350 Niagara Street, Buffalo, NY 14201
DATE STARTED 12/19/13 **COMPLETED** 12/19/13
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Nature's Way
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▽ **AT TIME OF DRILLING** 12.00 ft
LOGGED BY C. Babin **CHECKED BY** _____
AT END OF DRILLING ---
NOTES _____
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					Pavement (8")	
					1.0 — Brown/gray fill, some silty clay, crushed stone, no odor, dry	
2.5			0			
					4.0 — Brown silty clay, trace fine sand, no odors, moist w/ wet layers	
5.0						PVC Riser
	B9-4-8'		0			
7.5						
10.0			0			
12.5					▽	Screened PVC
15.0			0		15.0	

Bottom of borehole at 15.0 feet.

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ATTACHMENT B

LABORATORY ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

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

TestAmerica Job ID: 480-52218-1
Client Project/Site: Rite Aid

For:
AEI Consultants
20 Gibson Place
Freehold, New Jersey 07728

Attn: Gene Belli

Authorized for release by:
12/30/2013 11:13:28 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 6
Client Sample Results 9
Surrogate Summary 25
QC Sample Results 28
QC Association Summary 40
Lab Chronicle 45
Certification Summary 49
Method Summary 51
Sample Summary 52
Chain of Custody 53
Receipt Checklists 54

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
F	MS/MSD Recovery and/or RPD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-52218-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-52218-1

Comments
No additional comments.

Receipt
The samples were received on 12/18/2013 6:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6º C.

Except:

The following sample(s) was submitted to the laboratory on the same day.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: B-6 (480-52218-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: B-5 (480-52218-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples submitted for volatiles analysis were received with insufficient preservation (pH >2): B-5 (480-52218-1), B-7 (480-52218-3).

Method(s) 8260C: Due to the coelution Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 158483.

Method(s) 8260C: The %RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 158483 recovered outside control limits for the following analyte: Chloroethane.

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample duplicate (LCSD) associated with batch 158645.

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: B-5, 4-8ft. (480-52218-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample(s) was diluted due to the nature of the sample matrix: B-6, 4-8ft. (480-52218-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: MS passed but MSD failed high due to sample matrix. MS/MSD was not client specific so sample is reported.

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch <<115054>> were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
Method(s) 6010C: The closing low level check standard for Lead was outside acceptance limits for method 6010C. Since the samples were well above the low level check standard true spike value of 10 ug/L the results should not have been impacted by this

Job ID: 480-52218-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

exceedance.B-6 (480-52218-2), B-7 (480-52218-3)

Method(s) 6010C: The following sample(s) was diluted due to the nature of the sample matrix: B-6 (480-52218-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 114773. 3510C_LVI.

No other analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Detection Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-5 — Lab Sample ID: 480-52218-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.3		5.0	2.1	ug/L	5		8260C	Total/NA
Cyclohexane	62		5.0	0.90	ug/L	5		8260C	Total/NA
Ethylbenzene	170		5.0	3.7	ug/L	5		8260C	Total/NA
Isopropylbenzene	22		5.0	4.0	ug/L	5		8260C	Total/NA
Methylcyclohexane	110		5.0	0.80	ug/L	5		8260C	Total/NA
Xylenes, Total	130		10	3.3	ug/L	5		8260C	Total/NA
Gasoline Range Organics [C6 - C10]	2200		500	130	ug/L	5		8015B	Total/NA
Diesel Range Organics [C10 - C28]	4300		570	270	ug/L	1		8015D	Total/NA
Arsenic	39.0		15.0	3.2	ug/L	1		6010C	Total Recoverable
Barium	2530	B	200	0.67	ug/L	1		6010C	Total Recoverable
Cadmium	2.8	J	5.0	0.66	ug/L	1		6010C	Total Recoverable
Chromium	229		10.0	2.2	ug/L	1		6010C	Total Recoverable
Lead	1340		10.0	1.9	ug/L	1		6010C	Total Recoverable
Selenium	14.9	J	20.0	4.1	ug/L	1		6010C	Total Recoverable
Mercury	3.0		0.20	0.12	ug/L	1		7470A	Total/NA

Client Sample ID: B-6 — Lab Sample ID: 480-52218-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	32	J *	50	6.6	ug/L	5		8260C	Total/NA
Acetone	200		50	15	ug/L	5		8260C	Total/NA
Benzene	420		5.0	2.1	ug/L	5		8260C	Total/NA
Cyclohexane	260		5.0	0.90	ug/L	5		8260C	Total/NA
Ethylbenzene	280		5.0	3.7	ug/L	5		8260C	Total/NA
Isopropylbenzene	29		5.0	4.0	ug/L	5		8260C	Total/NA
Methylcyclohexane	190		5.0	0.80	ug/L	5		8260C	Total/NA
Methylene Chloride	28		5.0	2.2	ug/L	5		8260C	Total/NA
Toluene	140		5.0	2.6	ug/L	5		8260C	Total/NA
Xylenes, Total	410		10	3.3	ug/L	5		8260C	Total/NA
Gasoline Range Organics [C6 - C10]	4200		1000	250	ug/L	10		8015B	Total/NA
Diesel Range Organics [C10 - C28]	1300		520	250	ug/L	1		8015D	Total/NA
Arsenic	222		30.0	6.4	ug/L	2		6010C	Total Recoverable
Barium	1610	B	400	1.3	ug/L	2		6010C	Total Recoverable
Cadmium	11.7		10.0	1.3	ug/L	2		6010C	Total Recoverable
Chromium	301		20.0	4.4	ug/L	2		6010C	Total Recoverable
Lead	1860	^	20.0	3.8	ug/L	2		6010C	Total Recoverable
Mercury	1.5		0.20	0.12	ug/L	1		7470A	Total/NA

Client Sample ID: B-7 — Lab Sample ID: 480-52218-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.8	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-7 (Continued) — Lab Sample ID: 480-52218-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.92	J	1.0	0.19	ug/L	1		8260C	Total/NA
Cyclohexane	0.75	J	1.0	0.18	ug/L	1		8260C	Total/NA
Methylcyclohexane	0.84	J	1.0	0.16	ug/L	1		8260C	Total/NA
Gasoline Range Organics [C6 - C10]	41	J	100	25	ug/L	1		8015B	Total/NA
Diesel Range Organics [C10 - C28]	5600		480	230	ug/L	1		8015D	Total/NA
Silver	23.2		10.0	2.2	ug/L	1		6010C	Total Recoverable
Arsenic	348		15.0	3.2	ug/L	1		6010C	Total Recoverable
Barium	2510	B	200	0.67	ug/L	1		6010C	Total Recoverable
Cadmium	12.9		5.0	0.66	ug/L	1		6010C	Total Recoverable
Chromium	560		10.0	2.2	ug/L	1		6010C	Total Recoverable
Lead	65500	^	50.0	9.5	ug/L	5		6010C	Total Recoverable
Selenium	34.8		20.0	4.1	ug/L	1		6010C	Total Recoverable
Mercury	40.0		1.0	0.60	ug/L	5		7470A	Total/NA

Client Sample ID: B-6, 4-8ft. — Lab Sample ID: 480-52218-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	96	J	380	18	ug/Kg	10	☼	8260C	Total/NA
Cyclohexane	5600		380	84	ug/Kg	10	☼	8260C	Total/NA
Ethylbenzene	1500		380	110	ug/Kg	10	☼	8260C	Total/NA
Isopropylbenzene	520		380	57	ug/Kg	10	☼	8260C	Total/NA
Methylcyclohexane	13000		380	180	ug/Kg	10	☼	8260C	Total/NA
Toluene	160	J	380	100	ug/Kg	10	☼	8260C	Total/NA
Xylenes, Total	2600		760	64	ug/Kg	10	☼	8260C	Total/NA
Barium	58.5	B	19.9	0.071	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.21	J	0.50	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.8		1.0	0.20	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.0		1.5	0.30	mg/Kg	1	☼	6010C	Total/NA
Lead	12.1		1.0	0.19	mg/Kg	1	☼	6010C	Total/NA
Hg	0.023	J	0.13	0.019	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: B-6, 8-12ft. — Lab Sample ID: 480-52218-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.0	J	3.6	0.36	ug/Kg	1	☼	8260C	Total/NA
Barium	16.0	J B	18.2	0.065	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.23	J	0.45	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	5.0		0.91	0.18	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.4		1.4	0.27	mg/Kg	1	☼	6010C	Total/NA
Lead	6.8		0.91	0.17	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-5, 4-8ft. — Lab Sample ID: 480-52218-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	45	J	54	2.6	ug/Kg	2	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-5, 4-8ft. (Continued) — Lab Sample ID: 480-52218-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	1100		54	12	ug/Kg	2	☼	8260C	Total/NA
Ethylbenzene	340		54	16	ug/Kg	2	☼	8260C	Total/NA
Isopropylbenzene	200		54	8.1	ug/Kg	2	☼	8260C	Total/NA
Methylcyclohexane	3300		54	25	ug/Kg	2	☼	8260C	Total/NA
Gasoline Range Organics [C6 - C10]	74000		6000	2000	ug/Kg	1	☼	8015B	Total/NA
Diesel Range Organics [C10 - C28]	17	J	20	11	mg/Kg	1	☼	8015D	Total/NA
Barium	62.0	B	20.3	0.072	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.22	J	0.51	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	13.4		1.0	0.20	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.2		1.5	0.30	mg/Kg	1	☼	6010C	Total/NA
Lead	14.3		1.0	0.19	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-7, 8-12ft. — Lab Sample ID: 480-52218-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.5	J	11	1.9	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	0.45	J	2.3	0.32	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.35	J	2.3	0.16	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	0.64	J	2.3	0.34	ug/Kg	1	☼	8260C	Total/NA
Barium	48.1	B	17.0	0.060	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.19	J	0.43	0.031	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.1		0.85	0.17	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.3		1.3	0.26	mg/Kg	1	☼	6010C	Total/NA
Lead	10.6		0.85	0.16	mg/Kg	1	☼	6010C	Total/NA
Hg	0.023	J	0.12	0.018	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: B-1, 11-14ft. — Lab Sample ID: 480-52218-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	66.0	B	20.4	0.073	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.25	J	0.51	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.7		1.0	0.20	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.9		1.5	0.31	mg/Kg	1	☼	6010C	Total/NA
Lead	14.8		1.0	0.19	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-2, 8-11ft. — Lab Sample ID: 480-52218-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.2		2.4	0.32	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.84	J	2.4	0.53	ug/Kg	1	☼	8260C	Total/NA
Barium	48.8	B	20.2	0.072	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.21	J	0.51	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	9.4		1.0	0.20	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.2		1.5	0.30	mg/Kg	1	☼	6010C	Total/NA
Lead	10.6		1.0	0.19	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-5
Date Collected: 12/18/13 14:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/19/13 14:21	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/19/13 14:21	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/19/13 14:21	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/19/13 14:21	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/19/13 14:21	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/19/13 14:21	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/19/13 14:21	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/19/13 14:21	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/19/13 14:21	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/19/13 14:21	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/19/13 14:21	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/19/13 14:21	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/19/13 14:21	5
2-Butanone (MEK)	ND	*	50	6.6	ug/L			12/19/13 14:21	5
2-Hexanone	ND		25	6.2	ug/L			12/19/13 14:21	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/19/13 14:21	5
Acetone	ND		50	15	ug/L			12/19/13 14:21	5
Benzene	**7.3**		5.0	2.1	ug/L			12/19/13 14:21	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/19/13 14:21	5
Bromoform	ND		5.0	1.3	ug/L			12/19/13 14:21	5
Bromomethane	ND		5.0	3.5	ug/L			12/19/13 14:21	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/19/13 14:21	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/19/13 14:21	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/19/13 14:21	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/19/13 14:21	5
Chloroethane	ND	*	5.0	1.6	ug/L			12/19/13 14:21	5
Chloroform	ND		5.0	1.7	ug/L			12/19/13 14:21	5
Chloromethane	ND		5.0	1.8	ug/L			12/19/13 14:21	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/19/13 14:21	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/19/13 14:21	5
Cyclohexane	**62**		5.0	0.90	ug/L			12/19/13 14:21	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/19/13 14:21	5
Ethylbenzene	**170**		5.0	3.7	ug/L			12/19/13 14:21	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/19/13 14:21	5
Isopropylbenzene	**22**		5.0	4.0	ug/L			12/19/13 14:21	5
Methyl acetate	ND		5.0	2.5	ug/L			12/19/13 14:21	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/19/13 14:21	5
Methylcyclohexane	**110**		5.0	0.80	ug/L			12/19/13 14:21	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/19/13 14:21	5
Styrene	ND		5.0	3.7	ug/L			12/19/13 14:21	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/19/13 14:21	5
Toluene	ND		5.0	2.6	ug/L			12/19/13 14:21	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/19/13 14:21	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/19/13 14:21	5
Trichloroethene	ND		5.0	2.3	ug/L			12/19/13 14:21	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/19/13 14:21	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/19/13 14:21	5
Xylenes, Total	**130**		10	3.3	ug/L			12/19/13 14:21	5

Client Sample ID: B-5

Lab Sample ID: 480-52218-1

Date Collected: 12/18/13 14:30

Matrix: Water

Date Received: 12/18/13 18:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 126		12/19/13 14:21	5
1,2-Dichloroethane-d4 (Surr)	106		66 - 137		12/19/13 14:21	5
4-Bromofluorobenzene (Surr)	102		73 - 120		12/19/13 14:21	5

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	2200		500	130	ug/L			12/27/13 19:46	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	111		40 - 133		12/27/13 19:46	5

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	4300		570	270	ug/L		12/23/13 09:07	12/23/13 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	48			12/23/13 09:07	12/23/13 20:55	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:35	1
Arsenic	39.0		15.0	3.2	ug/L		12/23/13 07:51	12/24/13 14:35	1
Barium	2530	B	200	0.67	ug/L		12/23/13 07:51	12/24/13 14:35	1
Cadmium	2.8	J	5.0	0.66	ug/L		12/23/13 07:51	12/24/13 14:35	1
Chromium	229		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:35	1
Lead	1340		10.0	1.9	ug/L		12/23/13 07:51	12/24/13 14:35	1
Selenium	14.9	J	20.0	4.1	ug/L		12/23/13 07:51	12/24/13 14:35	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.0		0.20	0.12	ug/L		12/23/13 11:40	12/24/13 11:46	1

Client Sample ID: B-6

Lab Sample ID: 480-52218-2

Date Collected: 12/18/13 11:15

Matrix: Water

Date Received: 12/18/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/19/13 14:45	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/19/13 14:45	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/19/13 14:45	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/19/13 14:45	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/19/13 14:45	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/19/13 14:45	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/19/13 14:45	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/19/13 14:45	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/19/13 14:45	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/19/13 14:45	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/19/13 14:45	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/19/13 14:45	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/19/13 14:45	5

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-6
Date Collected: 12/18/13 11:15
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	**32**	**J ***	50	6.6	ug/L			12/19/13 14:45	5
2-Hexanone	ND		25	6.2	ug/L			12/19/13 14:45	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/19/13 14:45	5
Acetone	**200**		50	15	ug/L			12/19/13 14:45	5
Benzene	**420**		5.0	2.1	ug/L			12/19/13 14:45	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/19/13 14:45	5
Bromoform	ND		5.0	1.3	ug/L			12/19/13 14:45	5
Bromomethane	ND		5.0	3.5	ug/L			12/19/13 14:45	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/19/13 14:45	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/19/13 14:45	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/19/13 14:45	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/19/13 14:45	5
Chloroethane	ND	*	5.0	1.6	ug/L			12/19/13 14:45	5
Chloroform	ND		5.0	1.7	ug/L			12/19/13 14:45	5
Chloromethane	ND		5.0	1.8	ug/L			12/19/13 14:45	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/19/13 14:45	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/19/13 14:45	5
Cyclohexane	**260**		5.0	0.90	ug/L			12/19/13 14:45	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/19/13 14:45	5
Ethylbenzene	**280**		5.0	3.7	ug/L			12/19/13 14:45	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/19/13 14:45	5
Isopropylbenzene	**29**		5.0	4.0	ug/L			12/19/13 14:45	5
Methyl acetate	ND		5.0	2.5	ug/L			12/19/13 14:45	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/19/13 14:45	5
Methylcyclohexane	**190**		5.0	0.80	ug/L			12/19/13 14:45	5
Methylene Chloride	**28**		5.0	2.2	ug/L			12/19/13 14:45	5
Styrene	ND		5.0	3.7	ug/L			12/19/13 14:45	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/19/13 14:45	5
Toluene	**140**		5.0	2.6	ug/L			12/19/13 14:45	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/19/13 14:45	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/19/13 14:45	5
Trichloroethene	ND		5.0	2.3	ug/L			12/19/13 14:45	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/19/13 14:45	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/19/13 14:45	5
Xylenes, Total	**410**		10	3.3	ug/L			12/19/13 14:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/19/13 14:45*	*5*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*12/19/13 14:45*	*5*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/19/13 14:45*	*5*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**4200**		1000	250	ug/L			12/27/13 20:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*116*		*40 - 133*		*12/27/13 20:21*	*10*

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-6

Date Collected: 12/18/13 11:15
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-2

Matrix: Water

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	1300		520	250	ug/L		12/23/13 09:07	12/23/13 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*			*12/23/13 09:07*	*12/23/13 21:16*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		20.0	4.4	ug/L		12/23/13 07:51	12/24/13 15:36	2
Arsenic	222		30.0	6.4	ug/L		12/23/13 07:51	12/24/13 15:36	2
Barium	1610	B	400	1.3	ug/L		12/23/13 07:51	12/24/13 15:36	2
Cadmium	11.7		10.0	1.3	ug/L		12/23/13 07:51	12/24/13 15:36	2
Chromium	301		20.0	4.4	ug/L		12/23/13 07:51	12/24/13 15:36	2
Lead	1860	^	20.0	3.8	ug/L		12/23/13 07:51	12/24/13 15:36	2
Selenium	ND		40.0	8.2	ug/L		12/23/13 07:51	12/24/13 15:36	2

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.5		0.20	0.12	ug/L		12/23/13 11:40	12/24/13 11:49	1

Client Sample ID: B-7

Date Collected: 12/18/13 12:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/13 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/13 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/13 15:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/19/13 15:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/13 15:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/13 15:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/13 15:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/19/13 15:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/19/13 15:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/13 15:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/13 15:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/19/13 15:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/19/13 15:09	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/19/13 15:09	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/13 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/13 15:09	1
Acetone	3.8	J	10	3.0	ug/L			12/19/13 15:09	1
Benzene	ND		1.0	0.41	ug/L			12/19/13 15:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/13 15:09	1
Bromoform	ND		1.0	0.26	ug/L			12/19/13 15:09	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/13 15:09	1
Carbon disulfide	0.92	J	1.0	0.19	ug/L			12/19/13 15:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/13 15:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/13 15:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/13 15:09	1

Client Sample ID: B-7
Date Collected: 12/18/13 12:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	*	1.0	0.32	ug/L			12/19/13 15:09	1
Chloroform	ND		1.0	0.34	ug/L			12/19/13 15:09	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/13 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/13 15:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/13 15:09	1
Cyclohexane	**0.75**	**J**	1.0	0.18	ug/L			12/19/13 15:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/13 15:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/13 15:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/19/13 15:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/19/13 15:09	1
Methyl acetate	ND		1.0	0.50	ug/L			12/19/13 15:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/19/13 15:09	1
Methylcyclohexane	**0.84**	**J**	1.0	0.16	ug/L			12/19/13 15:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/13 15:09	1
Styrene	ND		1.0	0.73	ug/L			12/19/13 15:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/13 15:09	1
Toluene	ND		1.0	0.51	ug/L			12/19/13 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/13 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/13 15:09	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/13 15:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/19/13 15:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/13 15:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/13 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/19/13 15:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*12/19/13 15:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/19/13 15:09*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**41**	**J**	100	25	ug/L			12/26/13 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*96*		*40 - 133*		*12/26/13 15:39*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**5600**		480	230	ug/L		12/23/13 09:07	12/23/13 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*			*12/23/13 09:07*	*12/23/13 21:36*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**23.2**		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:43	1
Arsenic	**348**		15.0	3.2	ug/L		12/23/13 07:51	12/24/13 14:43	1
Barium	**2510**	**B**	200	0.67	ug/L		12/23/13 07:51	12/24/13 14:43	1
Cadmium	**12.9**		5.0	0.66	ug/L		12/23/13 07:51	12/24/13 14:43	1
Chromium	**560**		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:43	1

Client Sample ID: B-7
Date Collected: 12/18/13 12:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	65500	^	50.0	9.5	ug/L		12/23/13 07:51	12/24/13 15:40	5
Selenium	34.8		20.0	4.1	ug/L		12/23/13 07:51	12/24/13 14:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	40.0		1.0	0.60	ug/L		12/23/13 11:40	12/24/13 11:50	5

Client Sample ID: B-6, 4-8ft.
Date Collected: 12/18/13 11:00
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-4
Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		380	110	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,1,2,2-Tetrachloroethane	ND		380	62	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		380	190	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,1,2-Trichloroethane	ND		380	80	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,1-Dichloroethane	ND		380	120	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,1-Dichloroethene	ND		380	130	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,2,4-Trichlorobenzene	ND		380	140	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,2-Dibromo-3-Chloropropane	ND		380	190	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,2-Dichlorobenzene	ND		380	97	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,2-Dichloroethane	ND		380	160	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,2-Dichloropropane	ND		380	62	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,3-Dichlorobenzene	ND		380	100	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,4-Dichlorobenzene	ND		380	53	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
2-Butanone (MEK)	ND		1900	1100	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
2-Hexanone	ND		1900	780	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
4-Methyl-2-pentanone (MIBK)	ND		1900	120	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Acetone	ND		1900	1600	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Benzene	96	J	380	18	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Bromoform	ND		380	190	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Bromomethane	ND		380	84	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Carbon disulfide	ND		380	170	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Carbon tetrachloride	ND		380	97	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Chlorobenzene	ND		380	50	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Dibromochloromethane	ND		380	180	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Chloroethane	ND		380	79	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Chloroform	ND		380	260	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Chloromethane	ND		380	91	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
cis-1,2-Dichloroethene	ND		380	100	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Cyclohexane	5600		380	84	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Bromodichloromethane	ND		380	76	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Dichlorodifluoromethane	ND		380	170	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Ethylbenzene	1500		380	110	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
1,2-Dibromoethane	ND		380	14	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Isopropylbenzene	520		380	57	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Methyl acetate	ND		380	180	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Methyl tert-butyl ether	ND		380	140	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Methylcyclohexane	13000		380	180	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-6, 4-8ft.
Date Collected: 12/18/13 11:00
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-4
Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		380	75	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Tetrachloroethene	ND		380	51	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Toluene	**160**	**J**	380	100	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
trans-1,2-Dichloroethene	ND		380	90	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
trans-1,3-Dichloropropene	ND		380	18	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Trichloroethene	ND		380	110	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Trichlorofluoromethane	ND		380	180	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Vinyl chloride	ND		380	130	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Xylenes, Total	**2600**		760	64	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
cis-1,3-Dichloropropene	ND		380	91	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10
Styrene	ND		380	92	ug/Kg	☼	12/20/13 10:17	12/21/13 06:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*136*		*53 - 146*	*12/20/13 10:17*	*12/21/13 06:43*	*10*
4-Bromofluorobenzene (Surr)	*86*		*49 - 148*	*12/20/13 10:17*	*12/21/13 06:43*	*10*
Toluene-d8 (Surr)	*90*		*50 - 149*	*12/20/13 10:17*	*12/21/13 06:43*	*10*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5600	1900	ug/Kg	☼	12/23/13 11:02	12/23/13 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*116*		*29 - 160*	*12/23/13 11:02*	*12/23/13 17:41*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		19	10	mg/Kg	☼	12/23/13 08:02	12/23/13 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*40 - 160*	*12/23/13 08:02*	*12/23/13 17:31*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**58.5**	**B**	19.9	0.071	mg/Kg	☼	12/23/13 10:03	12/23/13 17:59	1
Cadmium	**0.21**	**J**	0.50	0.036	mg/Kg	☼	12/23/13 10:03	12/23/13 17:59	1
Chromium	**12.8**		1.0	0.20	mg/Kg	☼	12/23/13 10:03	12/23/13 17:59	1
Silver	ND		1.0	0.10	mg/Kg	☼	12/23/13 10:03	12/23/13 17:59	1
Arsenic	**2.0**		1.5	0.30	mg/Kg	☼	12/23/13 10:03	12/23/13 17:59	1
Lead	**12.1**		1.0	0.19	mg/Kg	☼	12/23/13 10:03	12/24/13 12:59	1
Selenium	ND		2.0	0.45	mg/Kg	☼	12/23/13 10:03	12/23/13 17:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.023**	**J**	0.13	0.019	mg/Kg	☼	12/23/13 14:25	12/24/13 10:05	1

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-6, 8-12ft.
Date Collected: 12/18/13 11:15
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-5
Matrix: Solid
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.6	0.26	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,1,2,2-Tetrachloroethane	ND		3.6	0.59	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,1,2-Trichloroethane	ND		3.6	0.47	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6	0.83	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,1-Dichloroethane	ND		3.6	0.44	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,1-Dichloroethene	ND		3.6	0.45	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,2,4-Trichlorobenzene	ND		3.6	0.22	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,2-Dibromo-3-Chloropropane	ND		3.6	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,2-Dichlorobenzene	ND		3.6	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,2-Dichloroethane	ND		3.6	0.18	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,2-Dichloropropane	ND		3.6	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,3-Dichlorobenzene	ND		3.6	0.19	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,4-Dichlorobenzene	ND		3.6	0.51	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
2-Butanone (MEK)	ND		18	1.3	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
2-Hexanone	ND		18	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
4-Methyl-2-pentanone (MIBK)	ND		18	1.2	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Acetone	ND		18	3.1	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Benzene	ND		3.6	0.18	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Bromodichloromethane	ND		3.6	0.49	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Bromoform	ND		3.6	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Bromomethane	ND		3.6	0.33	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Carbon disulfide	ND		3.6	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Carbon tetrachloride	ND		3.6	0.35	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Chlorobenzene	ND		3.6	0.48	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Dibromochloromethane	ND		3.6	0.47	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Chloroethane	ND		3.6	0.82	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Chloroform	ND		3.6	0.23	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Chloromethane	ND		3.6	0.22	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
cis-1,2-Dichloroethene	ND		3.6	0.47	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
cis-1,3-Dichloropropene	ND		3.6	0.52	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Cyclohexane	ND		3.6	0.51	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Dichlorodifluoromethane	ND		3.6	0.30	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Ethylbenzene	ND		3.6	0.25	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
1,2-Dibromoethane	ND		3.6	0.47	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Isopropylbenzene	ND		3.6	0.55	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Methyl acetate	ND		3.6	0.68	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Methyl tert-butyl ether	**1.0**	**J**	3.6	0.36	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Methylcyclohexane	ND		3.6	0.55	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Methylene Chloride	ND		3.6	1.7	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Styrene	ND		3.6	0.18	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Tetrachloroethene	ND		3.6	0.49	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Toluene	ND		3.6	0.28	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
trans-1,2-Dichloroethene	ND		3.6	0.38	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
trans-1,3-Dichloropropene	ND		3.6	1.6	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Trichloroethene	ND		3.6	0.80	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Trichlorofluoromethane	ND		3.6	0.34	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Vinyl chloride	ND		3.6	0.44	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1
Xylenes, Total	ND		7.3	0.61	ug/Kg	☼	12/20/13 00:36	12/20/13 04:29	1

Client Sample ID: B-6, 8-12ft.

Lab Sample ID: 480-52218-5

Date Collected: 12/18/13 11:15
Matrix: Solid
Date Received: 12/18/13 18:20
Percent Solids: 88.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*71 - 125*	*12/20/13 00:36*	*12/20/13 04:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*	*12/20/13 00:36*	*12/20/13 04:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*12/20/13 00:36*	*12/20/13 04:29*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5600	1900	ug/Kg	☼	12/23/13 11:02	12/23/13 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*92*		*29 - 160*	*12/23/13 11:02*	*12/23/13 19:28*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		19	11	mg/Kg	☼	12/23/13 08:02	12/23/13 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*40 - 160*	*12/23/13 08:02*	*12/23/13 18:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**16.0**	**J B**	18.2	0.065	mg/Kg	☼	12/23/13 10:03	12/23/13 18:03	1
Cadmium	**0.23**	**J**	0.45	0.033	mg/Kg	☼	12/23/13 10:03	12/23/13 18:03	1
Chromium	**5.0**		0.91	0.18	mg/Kg	☼	12/23/13 10:03	12/23/13 18:03	1
Silver	ND		0.91	0.091	mg/Kg	☼	12/23/13 10:03	12/23/13 18:03	1
Arsenic	**2.4**		1.4	0.27	mg/Kg	☼	12/23/13 10:03	12/23/13 18:03	1
Lead	**6.8**		0.91	0.17	mg/Kg	☼	12/23/13 10:03	12/24/13 13:03	1
Selenium	ND		1.8	0.41	mg/Kg	☼	12/23/13 10:03	12/23/13 18:03	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.11	0.017	mg/Kg	☼	12/23/13 14:25	12/24/13 10:06	1

Client Sample ID: B-5, 4-8ft.

Lab Sample ID: 480-52218-6

Date Collected: 12/18/13 14:30
Matrix: Solid
Date Received: 12/18/13 18:20
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		54	15	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,1,2,2-Tetrachloroethane	ND		54	8.8	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54	27	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,1,2-Trichloroethane	ND		54	11	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,1-Dichloroethane	ND		54	17	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,1-Dichloroethene	ND		54	19	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,2,4-Trichlorobenzene	ND		54	20	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,2-Dibromo-3-Chloropropane	ND		54	27	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,2-Dichlorobenzene	ND		54	14	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,2-Dichloroethane	ND		54	22	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,2-Dichloropropane	ND		54	8.7	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,3-Dichlorobenzene	ND		54	14	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,4-Dichlorobenzene	ND		54	7.6	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
2-Butanone (MEK)	ND		270	160	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2

Client Sample ID: B-5, 4-8ft.
Date Collected: 12/18/13 14:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-6
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		270	110	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
4-Methyl-2-pentanone (MIBK)	ND		270	17	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Acetone	ND		270	220	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Benzene	**45**	**J**	54	2.6	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Bromoform	ND		54	27	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Bromomethane	ND		54	12	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Carbon disulfide	ND		54	25	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Carbon tetrachloride	ND		54	14	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Chlorobenzene	ND		54	7.1	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Dibromochloromethane	ND		54	26	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Chloroethane	ND		54	11	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Chloroform	ND		54	37	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Chloromethane	ND		54	13	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
cis-1,2-Dichloroethene	ND		54	15	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Cyclohexane	**1100**		54	12	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Bromodichloromethane	ND		54	11	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Dichlorodifluoromethane	ND		54	24	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Ethylbenzene	**340**		54	16	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
1,2-Dibromoethane	ND		54	2.1	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Isopropylbenzene	**200**		54	8.1	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Methyl acetate	ND		54	26	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Methyl tert-butyl ether	ND		54	20	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Methylcyclohexane	**3300**		54	25	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Methylene Chloride	ND		54	11	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Tetrachloroethene	ND		54	7.3	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Toluene	ND		54	14	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
trans-1,2-Dichloroethene	ND		54	13	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
trans-1,3-Dichloropropene	ND		54	2.6	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Trichloroethene	ND		54	15	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Trichlorofluoromethane	ND		54	25	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Vinyl chloride	ND		54	18	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Xylenes, Total	ND		110	9.1	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
cis-1,3-Dichloropropene	ND		54	13	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2
Styrene	ND		54	13	ug/Kg	☼	12/20/13 10:17	12/21/13 07:05	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*53 - 146*	*12/20/13 10:17*	*12/21/13 07:05*	*2*
4-Bromofluorobenzene (Surr)	*86*		*49 - 148*	*12/20/13 10:17*	*12/21/13 07:05*	*2*
Toluene-d8 (Surr)	*88*		*50 - 149*	*12/20/13 10:17*	*12/21/13 07:05*	*2*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**74000**		6000	2000	ug/Kg	☼	12/23/13 11:02	12/23/13 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*106*		*29 - 160*	*12/23/13 11:02*	*12/23/13 20:04*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**17**	**J**	20	11	mg/Kg	☼	12/23/13 08:02	12/23/13 18:31	1

Client Sample ID: B-5, 4-8ft.

Lab Sample ID: 480-52218-6

Date Collected: 12/18/13 14:30
Matrix: Solid
Date Received: 12/18/13 18:20
Percent Solids: 83.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*40 - 160*	*12/23/13 08:02*	*12/23/13 18:31*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**62.0**	**B**	20.3	0.072	mg/Kg	☼	12/23/13 10:03	12/23/13 18:07	1
Cadmium	**0.22**	**J**	0.51	0.037	mg/Kg	☼	12/23/13 10:03	12/23/13 18:07	1
Chromium	**13.4**		1.0	0.20	mg/Kg	☼	12/23/13 10:03	12/23/13 18:07	1
Silver	ND		1.0	0.10	mg/Kg	☼	12/23/13 10:03	12/23/13 18:07	1
Arsenic	**3.2**		1.5	0.30	mg/Kg	☼	12/23/13 10:03	12/23/13 18:07	1
Lead	**14.3**		1.0	0.19	mg/Kg	☼	12/23/13 10:03	12/24/13 13:07	1
Selenium	ND		2.0	0.46	mg/Kg	☼	12/23/13 10:03	12/23/13 18:07	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.13	0.019	mg/Kg	☼	12/23/13 14:25	12/24/13 10:09	1

Client Sample ID: B-7, 8-12ft.

Lab Sample ID: 480-52218-7

Date Collected: 12/18/13 12:30
Matrix: Solid
Date Received: 12/18/13 18:20
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.3	0.16	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,1,2,2-Tetrachloroethane	ND		2.3	0.37	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,1,2-Trichloroethane	ND		2.3	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.3	0.52	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,1-Dichloroethane	ND		2.3	0.28	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,1-Dichloroethene	ND		2.3	0.28	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,2,4-Trichlorobenzene	ND		2.3	0.14	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,2-Dibromo-3-Chloropropane	ND		2.3	1.1	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,2-Dichlorobenzene	ND		2.3	0.18	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,2-Dichloroethane	ND		2.3	0.11	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,2-Dichloropropane	ND		2.3	1.1	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,3-Dichlorobenzene	ND		2.3	0.12	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,4-Dichlorobenzene	ND		2.3	0.32	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
2-Butanone (MEK)	ND		11	0.83	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
2-Hexanone	ND		11	1.1	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
4-Methyl-2-pentanone (MIBK)	ND		11	0.74	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Acetone	**2.5**	**J**	11	1.9	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Benzene	ND		2.3	0.11	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Bromodichloromethane	ND		2.3	0.30	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Bromoform	ND		2.3	1.1	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Bromomethane	ND		2.3	0.20	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Carbon disulfide	ND		2.3	1.1	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Carbon tetrachloride	ND		2.3	0.22	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Chlorobenzene	ND		2.3	0.30	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Dibromochloromethane	ND		2.3	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Chloroethane	ND		2.3	0.51	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Chloroform	ND		2.3	0.14	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Chloromethane	ND		2.3	0.14	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
cis-1,2-Dichloroethene	ND		2.3	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-7, 8-12ft.
Date Collected: 12/18/13 12:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-7
Matrix: Solid
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.3	0.33	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Cyclohexane	**0.45**	**J**	2.3	0.32	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Dichlorodifluoromethane	ND		2.3	0.19	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Ethylbenzene	**0.35**	**J**	2.3	0.16	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
1,2-Dibromoethane	ND		2.3	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Isopropylbenzene	ND		2.3	0.34	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Methyl acetate	ND		2.3	0.42	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Methyl tert-butyl ether	ND		2.3	0.22	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Methylcyclohexane	**0.64**	**J**	2.3	0.34	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Methylene Chloride	ND		2.3	1.0	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Styrene	ND		2.3	0.11	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Tetrachloroethene	ND		2.3	0.30	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Toluene	ND		2.3	0.17	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
trans-1,2-Dichloroethene	ND		2.3	0.23	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
trans-1,3-Dichloropropene	ND		2.3	0.99	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Trichloroethene	ND		2.3	0.50	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Trichlorofluoromethane	ND		2.3	0.21	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Vinyl chloride	ND		2.3	0.28	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1
Xylenes, Total	ND		4.5	0.38	ug/Kg	☼	12/20/13 00:36	12/20/13 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 125*	*12/20/13 00:36*	*12/20/13 05:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*12/20/13 00:36*	*12/20/13 05:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*12/20/13 00:36*	*12/20/13 05:20*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5700	1900	ug/Kg	☼	12/23/13 11:02	12/23/13 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*104*		*29 - 160*	*12/23/13 11:02*	*12/23/13 20:40*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		19	11	mg/Kg	☼	12/23/13 08:02	12/23/13 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*65*		*40 - 160*	*12/23/13 08:02*	*12/23/13 19:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**48.1**	**B**	17.0	0.060	mg/Kg	☼	12/23/13 10:03	12/23/13 18:19	1
Cadmium	**0.19**	**J**	0.43	0.031	mg/Kg	☼	12/23/13 10:03	12/23/13 18:19	1
Chromium	**12.1**		0.85	0.17	mg/Kg	☼	12/23/13 10:03	12/23/13 18:19	1
Silver	ND		0.85	0.085	mg/Kg	☼	12/23/13 10:03	12/23/13 18:19	1
Arsenic	**2.3**		1.3	0.26	mg/Kg	☼	12/23/13 10:03	12/23/13 18:19	1
Lead	**10.6**		0.85	0.16	mg/Kg	☼	12/23/13 10:03	12/24/13 13:11	1
Selenium	ND		1.7	0.38	mg/Kg	☼	12/23/13 10:03	12/23/13 18:19	1

Client Sample ID: B-7, 8-12ft.

Lab Sample ID: 480-52218-7

Date Collected: 12/18/13 12:30
Matrix: Solid
Date Received: 12/18/13 18:20
Percent Solids: 87.1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.023	J	0.12	0.018	mg/Kg	☼	12/23/13 14:25	12/24/13 10:10	1

Client Sample ID: B-1, 11-14ft.

Lab Sample ID: 480-52218-8

Date Collected: 12/18/13 15:45
Matrix: Solid
Date Received: 12/18/13 18:20
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.6	0.26	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,1,2,2-Tetrachloroethane	ND		3.6	0.58	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,1,2-Trichloroethane	ND		3.6	0.46	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6	0.81	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,1-Dichloroethane	ND		3.6	0.43	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,1-Dichloroethene	ND		3.6	0.44	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,2,4-Trichlorobenzene	ND		3.6	0.22	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,2-Dibromo-3-Chloropropane	ND		3.6	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,2-Dichlorobenzene	ND		3.6	0.28	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,2-Dichloroethane	ND		3.6	0.18	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,2-Dichloropropane	ND		3.6	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,3-Dichlorobenzene	ND		3.6	0.18	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,4-Dichlorobenzene	ND		3.6	0.50	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
2-Butanone (MEK)	ND		18	1.3	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
2-Hexanone	ND		18	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
4-Methyl-2-pentanone (MIBK)	ND		18	1.2	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Acetone	ND		18	3.0	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Benzene	ND		3.6	0.17	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Bromodichloromethane	ND		3.6	0.48	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Bromoform	ND		3.6	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Bromomethane	ND		3.6	0.32	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Carbon disulfide	ND		3.6	1.8	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Carbon tetrachloride	ND		3.6	0.34	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Chlorobenzene	ND		3.6	0.47	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Dibromochloromethane	ND		3.6	0.46	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Chloroethane	ND		3.6	0.80	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Chloroform	ND		3.6	0.22	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Chloromethane	ND		3.6	0.22	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
cis-1,2-Dichloroethene	ND		3.6	0.46	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
cis-1,3-Dichloropropene	ND		3.6	0.51	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Cyclohexane	ND		3.6	0.50	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Dichlorodifluoromethane	ND		3.6	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Ethylbenzene	ND		3.6	0.25	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
1,2-Dibromoethane	ND		3.6	0.46	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Isopropylbenzene	ND		3.6	0.54	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Methyl acetate	ND		3.6	0.66	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Methyl tert-butyl ether	ND		3.6	0.35	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Methylcyclohexane	ND		3.6	0.54	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Methylene Chloride	ND		3.6	1.6	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Styrene	ND		3.6	0.18	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Tetrachloroethene	ND		3.6	0.48	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Toluene	ND		3.6	0.27	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1

Client Sample ID: B-1, 11-14ft.
Date Collected: 12/18/13 15:45
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-8
Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.6	0.37	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
trans-1,3-Dichloropropene	ND		3.6	1.6	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Trichloroethene	ND		3.6	0.78	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Trichlorofluoromethane	ND		3.6	0.34	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Vinyl chloride	ND		3.6	0.43	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1
Xylenes, Total	ND		7.1	0.60	ug/Kg	☼	12/20/13 00:36	12/20/13 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 125*	*12/20/13 00:36*	*12/20/13 05:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*	*12/20/13 00:36*	*12/20/13 05:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*12/20/13 00:36*	*12/20/13 05:46*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5700	1900	ug/Kg	☼	12/23/13 11:02	12/23/13 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*111*		*29 - 160*	*12/23/13 11:02*	*12/23/13 21:15*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		19	11	mg/Kg	☼	12/23/13 08:02	12/23/13 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*40 - 160*	*12/23/13 08:02*	*12/23/13 19:31*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**66.0**	**B**	20.4	0.073	mg/Kg	☼	12/23/13 10:03	12/23/13 18:23	1
Cadmium	**0.25**	**J**	0.51	0.037	mg/Kg	☼	12/23/13 10:03	12/23/13 18:23	1
Chromium	**12.7**		1.0	0.20	mg/Kg	☼	12/23/13 10:03	12/23/13 18:23	1
Silver	ND		1.0	0.10	mg/Kg	☼	12/23/13 10:03	12/23/13 18:23	1
Arsenic	**2.9**		1.5	0.31	mg/Kg	☼	12/23/13 10:03	12/23/13 18:23	1
Lead	**14.8**		1.0	0.19	mg/Kg	☼	12/23/13 10:03	12/24/13 13:15	1
Selenium	ND		2.0	0.46	mg/Kg	☼	12/23/13 10:03	12/23/13 18:23	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.12	0.019	mg/Kg	☼	12/23/13 14:25	12/24/13 10:12	1

Client Sample ID: B-2, 8-11ft.
Date Collected: 12/18/13 16:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-9
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.4	0.17	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,1,2,2-Tetrachloroethane	ND		2.4	0.39	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,1,2-Trichloroethane	ND		2.4	0.31	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.4	0.55	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,1-Dichloroethane	ND		2.4	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-2, 8-11ft.
Date Collected: 12/18/13 16:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-9
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		2.4	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,2,4-Trichlorobenzene	ND		2.4	0.15	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,2-Dibromo-3-Chloropropane	ND		2.4	1.2	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,2-Dichlorobenzene	ND		2.4	0.19	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,2-Dichloroethane	ND		2.4	0.12	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,2-Dichloropropane	ND		2.4	1.2	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,3-Dichlorobenzene	ND		2.4	0.12	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,4-Dichlorobenzene	ND		2.4	0.34	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
2-Butanone (MEK)	ND		12	0.88	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
2-Hexanone	ND		12	1.2	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
4-Methyl-2-pentanone (MIBK)	ND		12	0.79	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Acetone	ND		12	2.0	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Benzene	ND		2.4	0.12	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Bromodichloromethane	ND		2.4	0.32	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Bromoform	ND		2.4	1.2	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Bromomethane	ND		2.4	0.22	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Carbon disulfide	ND		2.4	1.2	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Carbon tetrachloride	ND		2.4	0.23	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Chlorobenzene	ND		2.4	0.32	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Dibromochloromethane	ND		2.4	0.31	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Chloroethane	ND		2.4	0.54	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Chloroform	ND		2.4	0.15	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Chloromethane	ND		2.4	0.14	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
cis-1,2-Dichloroethene	ND		2.4	0.31	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
cis-1,3-Dichloropropene	ND		2.4	0.34	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Cyclohexane	ND		2.4	0.34	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Dichlorodifluoromethane	ND		2.4	0.20	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Ethylbenzene	ND		2.4	0.17	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
1,2-Dibromoethane	ND		2.4	0.31	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Isopropylbenzene	ND		2.4	0.36	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Methyl acetate	ND		2.4	0.45	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Methyl tert-butyl ether	ND		2.4	0.24	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Methylcyclohexane	ND		2.4	0.36	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Methylene Chloride	ND		2.4	1.1	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Styrene	ND		2.4	0.12	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Tetrachloroethene	**3.2**		2.4	0.32	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Toluene	ND		2.4	0.18	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
trans-1,2-Dichloroethene	ND		2.4	0.25	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
trans-1,3-Dichloropropene	ND		2.4	1.1	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Trichloroethene	**0.84**	**J**	2.4	0.53	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Trichlorofluoromethane	ND		2.4	0.23	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Vinyl chloride	ND		2.4	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1
Xylenes, Total	ND		4.8	0.40	ug/Kg	☼	12/20/13 00:36	12/20/13 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*71 - 125*	*12/20/13 00:36*	*12/20/13 06:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*	*12/20/13 00:36*	*12/20/13 06:12*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*12/20/13 00:36*	*12/20/13 06:12*	*1*

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-2, 8-11ft.
Date Collected: 12/18/13 16:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-9
Matrix: Solid
Percent Solids: 86.8

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5700	1900	ug/Kg	☼	12/23/13 11:02	12/23/13 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*107*		*29 - 160*	*12/23/13 11:02*	*12/23/13 21:51*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		19	11	mg/Kg	☼	12/23/13 08:02	12/23/13 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*40 - 160*	*12/23/13 08:02*	*12/23/13 20:30*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**48.8**	**B**	20.2	0.072	mg/Kg	☼	12/23/13 10:03	12/23/13 18:27	1
Cadmium	**0.21**	**J**	0.51	0.036	mg/Kg	☼	12/23/13 10:03	12/23/13 18:27	1
Chromium	**9.4**		1.0	0.20	mg/Kg	☼	12/23/13 10:03	12/23/13 18:27	1
Silver	ND		1.0	0.10	mg/Kg	☼	12/23/13 10:03	12/23/13 18:27	1
Arsenic	**2.2**		1.5	0.30	mg/Kg	☼	12/23/13 10:03	12/23/13 18:27	1
Lead	**10.6**		1.0	0.19	mg/Kg	☼	12/23/13 10:03	12/24/13 13:19	1
Selenium	ND		2.0	0.45	mg/Kg	☼	12/23/13 10:03	12/23/13 18:27	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.12	0.017	mg/Kg	☼	12/23/13 14:25	12/24/13 10:17	1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)
480-52218-4	B-6, 4-8ft.	136	86	90
480-52218-6	B-5, 4-8ft.	129	86	88
LCS 480-158745/20-A	Lab Control Sample	103	100	99
MB 480-158745/21-A	Method Blank	100	95	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(71-125)	(64-126)	(72-126)
480-52218-5	B-6, 8-12ft.	102	98	100
480-52218-7	B-7, 8-12ft.	101	101	102
480-52218-8	B-1, 11-14ft.	101	98	102
480-52218-9	B-2, 8-11ft.	102	98	102
LCS 480-158653/4	Lab Control Sample	100	98	101
MB 480-158653/35	Method Blank	100	99	97

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(71-126)	(66-137)	(73-120)
480-52218-1	B-5	100	106	102
480-52218-2	B-6	100	107	101
480-52218-3	B-7	99	106	100
LCS 480-158483/4	Lab Control Sample	100	102	103
LCSD 480-158483/5	Lab Control Sample Dup	101	100	102
MB 480-158483/7	Method Blank	101	103	99

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Method: 8015B - Gasoline Range Organics - (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(29-160)
480-52218-4	B-6, 4-8ft.	116
480-52218-5	B-6, 8-12ft.	92
480-52218-6	B-5, 4-8ft.	106
480-52218-7	B-7, 8-12ft.	104
480-52218-8	B-1, 11-14ft.	111
480-52218-9	B-2, 8-11ft.	107
480-52218-D-4-E MS	480-52218-D-4-E MS	126
480-52218-D-4-F MSD	480-52218-D-4-F MSD	136
LCS 240-114801/2-A	Lab Control Sample	123
MB 240-114801/1-A	Method Blank	103

Surrogate Legend

TFT = Trifluorotoluene (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(40-133)
480-52218-1	B-5	111
480-52218-2	B-6	116
480-52218-2 MS	B-6	134 X
480-52218-2 MSD	B-6	127
480-52218-3	B-7	96
LCS 240-115054/6	Lab Control Sample	102
LCS 240-115193/6	Lab Control Sample	120
MB 240-115054/5	Method Blank	96
MB 240-115193/5	Method Blank	91

Surrogate Legend

TFT = Trifluorotoluene (Surr)

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(40-160)
480-52218-4	B-6, 4-8ft.	67
480-52218-5	B-6, 8-12ft.	64
480-52218-6	B-5, 4-8ft.	71
480-52218-7	B-7, 8-12ft.	65
480-52218-8	B-1, 11-14ft.	67
480-52218-9	B-2, 8-11ft.	59
480-52218-9 MS	B-2, 8-11ft.	78
480-52218-9 MSD	B-2, 8-11ft.	84
LCS 240-114753/12-A	Lab Control Sample	85
MB 240-114753/11-A	Method Blank	67

Surrogate Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Surrogate Legend
OTPH = o-Terphenyl

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	**Client Sample ID**	
480-52218-1	B-5	48
480-52218-2	B-6	75
480-52218-3	B-7	76
MB 240-114773/8-A	Method Blank	82

Surrogate Legend
OTPH = o-Terphenyl

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	**Client Sample ID**	**(40-160)**
LCS 240-114773/9-A	Lab Control Sample	84

Surrogate Legend
OTPH = o-Terphenyl

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

Lab Sample ID: MB 480-158483/7
Matrix: Water
Analysis Batch: 158483

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/13 12:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/13 12:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/19/13 12:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/13 12:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/13 12:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/13 12:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/13 12:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/19/13 12:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/19/13 12:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/13 12:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/13 12:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/19/13 12:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/19/13 12:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/13 12:40	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/13 12:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/13 12:40	1
Acetone	ND		10	3.0	ug/L			12/19/13 12:40	1
Benzene	ND		1.0	0.41	ug/L			12/19/13 12:40	1
Bromoform	ND		1.0	0.26	ug/L			12/19/13 12:40	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/13 12:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/13 12:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/13 12:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/13 12:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/13 12:40	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/13 12:40	1
Chloroform	ND		1.0	0.34	ug/L			12/19/13 12:40	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/13 12:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/13 12:40	1
Cyclohexane	ND		1.0	0.18	ug/L			12/19/13 12:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/13 12:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/13 12:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/13 12:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/19/13 12:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/19/13 12:40	1
Methyl acetate	ND		1.0	0.50	ug/L			12/19/13 12:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/19/13 12:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/19/13 12:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/13 12:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/13 12:40	1
Toluene	ND		1.0	0.51	ug/L			12/19/13 12:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/13 12:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/13 12:40	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/13 12:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/19/13 12:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/13 12:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/13 12:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/13 12:40	1
Styrene	ND		1.0	0.73	ug/L			12/19/13 12:40	1

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

Lab Sample ID: MB 480-158483/7
Matrix: Water
Analysis Batch: 158483

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/19/13 12:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*12/19/13 12:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/19/13 12:40*	*1*

Lab Sample ID: LCS 480-158483/4
Matrix: Water
Analysis Batch: 158483

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	26.2		ug/L		105	71 - 129
1,1-Dichloroethene	25.0	26.2		ug/L		105	58 - 121
1,2-Dichlorobenzene	25.0	27.0		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 127
Benzene	25.0	26.2		ug/L		105	71 - 124
Chlorobenzene	25.0	26.2		ug/L		105	72 - 120
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
Ethylbenzene	25.0	26.5		ug/L		106	77 - 123
Methyl tert-butyl ether	25.0	26.9		ug/L		108	64 - 127
Tetrachloroethene	25.0	29.3		ug/L		117	74 - 122
Toluene	25.0	26.6		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	26.1		ug/L		105	73 - 127
Trichloroethene	25.0	26.1		ug/L		105	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*100*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*

Lab Sample ID: LCSD 480-158483/5
Matrix: Water
Analysis Batch: 158483

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	25.0	26.2		ug/L		105	71 - 129	0	20
1,1-Dichloroethene	25.0	25.4		ug/L		102	58 - 121	3	16
1,2-Dichlorobenzene	25.0	26.5		ug/L		106	80 - 124	2	20
1,2-Dichloroethane	25.0	26.3		ug/L		105	75 - 127	1	20
Benzene	25.0	25.4		ug/L		102	71 - 124	3	13
Chlorobenzene	25.0	26.2		ug/L		105	72 - 120	0	25
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124	2	15
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123	3	15
Methyl tert-butyl ether	25.0	26.8		ug/L		107	64 - 127	1	37
Tetrachloroethene	25.0	29.1		ug/L		117	74 - 122	1	20
Toluene	25.0	26.0		ug/L		104	80 - 122	2	15
trans-1,2-Dichloroethene	25.0	25.2		ug/L		101	73 - 127	3	20
Trichloroethene	25.0	25.5		ug/L		102	74 - 123	3	16

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

Lab Sample ID: LCSD 480-158483/5
Matrix: Water
Analysis Batch: 158483

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*101*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*

Lab Sample ID: MB 480-158653/35
Matrix: Solid
Analysis Batch: 158653

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			12/20/13 01:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			12/20/13 01:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			12/20/13 01:53	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			12/20/13 01:53	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			12/20/13 01:53	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			12/20/13 01:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			12/20/13 01:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			12/20/13 01:53	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			12/20/13 01:53	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			12/20/13 01:53	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			12/20/13 01:53	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			12/20/13 01:53	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			12/20/13 01:53	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			12/20/13 01:53	1
2-Hexanone	ND		25	2.5	ug/Kg			12/20/13 01:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			12/20/13 01:53	1
Acetone	ND		25	4.2	ug/Kg			12/20/13 01:53	1
Benzene	ND		5.0	0.25	ug/Kg			12/20/13 01:53	1
Bromoform	ND		5.0	2.5	ug/Kg			12/20/13 01:53	1
Bromomethane	ND		5.0	0.45	ug/Kg			12/20/13 01:53	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			12/20/13 01:53	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			12/20/13 01:53	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			12/20/13 01:53	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			12/20/13 01:53	1
Chloroethane	ND		5.0	1.1	ug/Kg			12/20/13 01:53	1
Chloroform	ND		5.0	0.31	ug/Kg			12/20/13 01:53	1
Chloromethane	ND		5.0	0.30	ug/Kg			12/20/13 01:53	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			12/20/13 01:53	1
Cyclohexane	ND		5.0	0.70	ug/Kg			12/20/13 01:53	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			12/20/13 01:53	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			12/20/13 01:53	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			12/20/13 01:53	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			12/20/13 01:53	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			12/20/13 01:53	1
Methyl acetate	ND		5.0	0.93	ug/Kg			12/20/13 01:53	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			12/20/13 01:53	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			12/20/13 01:53	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			12/20/13 01:53	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			12/20/13 01:53	1

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

Lab Sample ID: MB 480-158653/35
Matrix: Solid
Analysis Batch: 158653

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		5.0	0.38	ug/Kg			12/20/13 01:53	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			12/20/13 01:53	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			12/20/13 01:53	1
Trichloroethene	ND		5.0	1.1	ug/Kg			12/20/13 01:53	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			12/20/13 01:53	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			12/20/13 01:53	1
Xylenes, Total	ND		10	0.84	ug/Kg			12/20/13 01:53	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			12/20/13 01:53	1
Styrene	ND		5.0	0.25	ug/Kg			12/20/13 01:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*71 - 125*		*12/20/13 01:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*		*12/20/13 01:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*		*12/20/13 01:53*	*1*

Lab Sample ID: LCS 480-158653/4
Matrix: Solid
Analysis Batch: 158653

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	50.1		ug/Kg		100	73 - 126
1,1-Dichloroethene	50.0	49.2		ug/Kg		98	59 - 125
1,2-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	48.6		ug/Kg		97	77 - 122
Benzene	50.0	50.0		ug/Kg		100	79 - 127
Chlorobenzene	50.0	49.6		ug/Kg		99	76 - 124
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	81 - 117
Ethylbenzene	50.0	50.6		ug/Kg		101	80 - 120
Methyl tert-butyl ether	50.0	48.5		ug/Kg		97	63 - 125
Tetrachloroethene	50.0	50.6		ug/Kg		101	74 - 122
Toluene	50.0	49.8		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	50.1		ug/Kg		100	78 - 126
Trichloroethene	50.0	50.2		ug/Kg		100	77 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*

Lab Sample ID: MB 480-158745/21-A
Matrix: Solid
Analysis Batch: 158907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		12/20/13 10:17	12/20/13 22:48	1

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

Lab Sample ID: MB 480-158745/21-A
Matrix: Solid
Analysis Batch: 158907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		100	31	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,1-Dichloroethene	ND		100	35	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,2-Dichloroethane	ND		100	41	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,2-Dichloropropane	ND		100	16	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
2-Butanone (MEK)	ND		500	300	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
2-Hexanone	ND		500	210	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Acetone	ND		500	410	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Benzene	ND		100	4.8	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Bromoform	ND		100	50	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Bromomethane	ND		100	22	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Carbon disulfide	ND		100	46	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Carbon tetrachloride	ND		100	26	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Chlorobenzene	ND		100	13	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Dibromochloromethane	ND		100	48	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Chloroethane	ND		100	21	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Chloroform	ND		100	69	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Chloromethane	ND		100	24	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Cyclohexane	ND		100	22	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Bromodichloromethane	ND		100	20	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Ethylbenzene	ND		100	29	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
1,2-Dibromoethane	ND		100	3.8	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Isopropylbenzene	ND		100	15	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Methyl acetate	ND		100	48	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Methylcyclohexane	ND		100	47	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Methylene Chloride	ND		100	20	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Tetrachloroethene	ND		100	13	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Toluene	ND		100	27	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
trans-1,3-Dichloropropene	ND		100	4.8	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Trichloroethene	ND		100	28	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Trichlorofluoromethane	ND		100	47	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Vinyl chloride	ND		100	34	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Xylenes, Total	ND		200	17	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		12/20/13 10:17	12/20/13 22:48	1
Styrene	ND		100	24	ug/Kg		12/20/13 10:17	12/20/13 22:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*50 - 149*	*12/20/13 10:17*	*12/20/13 22:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*12/20/13 10:17*	*12/20/13 22:48*	*1*

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

Lab Sample ID: MB 480-158745/21-A
Matrix: Solid
Analysis Batch: 158907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158745

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		49 - 148	12/20/13 10:17	12/20/13 22:48	1

Lab Sample ID: LCS 480-158745/20-A
Matrix: Solid
Analysis Batch: 158907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2500	2460		ug/Kg		98	82 - 138
1,1-Dichloroethene	2500	2400		ug/Kg		96	54 - 144
1,2-Dichlorobenzene	2500	2520		ug/Kg		101	80 - 132
1,2-Dichloroethane	2500	2380		ug/Kg		95	78 - 129
Benzene	2500	2430		ug/Kg		97	75 - 131
Chlorobenzene	2500	2360		ug/Kg		94	80 - 127
cis-1,2-Dichloroethene	2500	2530		ug/Kg		101	79 - 128
Ethylbenzene	2500	2390		ug/Kg		96	78 - 136
Methyl tert-butyl ether	2500	2360		ug/Kg		94	67 - 137
Tetrachloroethene	2500	2400		ug/Kg		96	72 - 141
Toluene	2500	2340		ug/Kg		94	76 - 133
trans-1,2-Dichloroethene	2500	2390		ug/Kg		96	81 - 147
Trichloroethene	2500	2570		ug/Kg		103	77 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		50 - 149
1,2-Dichloroethane-d4 (Surr)	103		53 - 146
4-Bromofluorobenzene (Surr)	100		49 - 148

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 240-114801/1-A
Matrix: Solid
Analysis Batch: 114815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5000	1700	ug/Kg		12/23/13 11:02	12/23/13 16:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		29 - 160	12/23/13 11:02	12/23/13 16:30	1

Lab Sample ID: LCS 240-114801/2-A
Matrix: Solid
Analysis Batch: 114815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	40000	39200		ug/Kg		98	62 - 132

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 240-114801/2-A
Matrix: Solid
Analysis Batch: 114815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114801

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	*123*		*29 - 160*

Lab Sample ID: 480-52218-D-4-E MS
Matrix: Solid
Analysis Batch: 114815

Client Sample ID: 480-52218-D-4-E MS
Prep Type: Total/NA
Prep Batch: 114801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]	ND		43900	43000		ug/Kg	☼	98	10 - 144		

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	*126*		*29 - 160*

Lab Sample ID: 480-52218-D-4-F MSD
Matrix: Solid
Analysis Batch: 114815

Client Sample ID: 480-52218-D-4-F MSD
Prep Type: Total/NA
Prep Batch: 114801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		44300	174000	E F	ug/Kg	☼	392	10 - 144	121	29

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	*136*		*29 - 160*

Lab Sample ID: MB 240-115054/5
Matrix: Water
Analysis Batch: 115054

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			12/26/13 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	*96*		*40 - 133*		*12/26/13 12:04*	*1*

Lab Sample ID: LCS 240-115054/6
Matrix: Water
Analysis Batch: 115054

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]			800	741		ug/L		93	67 - 132		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	*102*		*40 - 133*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 240-115193/5
Matrix: Water
Analysis Batch: 115193

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			12/27/13 18:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*91*		*40 - 133*		*12/27/13 18:24*	*1*

Lab Sample ID: LCS 240-115193/6
Matrix: Water
Analysis Batch: 115193

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]			800	726		ug/L		91	67 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*120*		*40 - 133*

Lab Sample ID: 480-52218-2 MS
Matrix: Water
Analysis Batch: 115193

Client Sample ID: B-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]	4200		8000	10600		ug/L		80	63 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*134*	*X*	*40 - 133*

Lab Sample ID: 480-52218-2 MSD
Matrix: Water
Analysis Batch: 115193

Client Sample ID: B-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	4200		8000	10300		ug/L		76	63 - 120	3	11

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*127*		*40 - 133*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Lab Sample ID: MB 240-114753/11-A
Matrix: Solid
Analysis Batch: 114830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		17	9.3	mg/Kg		12/23/13 08:02	12/23/13 16:31	1

Method: 8015D - Diesel Range Orgnics (DRO) (GC) (Continued)

Lab Sample ID: MB 240-114753/11-A
Matrix: Solid
Analysis Batch: 114830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114753

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		40 - 160	12/23/13 08:02	12/23/13 16:31	1

Lab Sample ID: LCS 240-114753/12-A
Matrix: Solid
Analysis Batch: 114830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114753

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10 - C28]			83.3	65.6		mg/Kg		79	52 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	85		40 - 160

Lab Sample ID: 480-52218-9 MS
Matrix: Solid
Analysis Batch: 114830

Client Sample ID: B-2, 8-11ft.
Prep Type: Total/NA
Prep Batch: 114753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10 - C28]	ND		95.1	70.3		mg/Kg	☼	74	10 - 124		

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	78		40 - 160

Lab Sample ID: 480-52218-9 MSD
Matrix: Solid
Analysis Batch: 114830

Client Sample ID: B-2, 8-11ft.
Prep Type: Total/NA
Prep Batch: 114753

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10 - C28]	ND		95.0	74.2		mg/Kg	☼	78	10 - 124	5	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	84		40 - 160

Lab Sample ID: MB 240-114773/8-A
Matrix: Water
Analysis Batch: 114858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		500	240	ug/L		12/23/13 09:07	12/23/13 20:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82			12/23/13 09:07	12/23/13 20:14	1

Method: 8015D - Diesel Range Orgnics (DRO) (GC) (Continued)

Lab Sample ID: LCS 240-114773/9-A
Matrix: Water
Analysis Batch: 114858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	2000	1640		ug/L		82	40 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*84*		*40 - 160*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-114781/1-A
Matrix: Solid
Analysis Batch: 114822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.112	J	20.0	0.071	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Cadmium	ND		0.50	0.036	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Silver	ND		1.0	0.10	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Arsenic	ND		1.5	0.30	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Chromium	ND		1.0	0.20	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Selenium	ND		2.0	0.45	mg/Kg		12/23/13 10:03	12/23/13 17:32	1

Lab Sample ID: MB 240-114781/1-A
Matrix: Solid
Analysis Batch: 115006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.19	mg/Kg		12/23/13 10:03	12/24/13 12:25	1

Lab Sample ID: LCS 240-114781/2-A
Matrix: Solid
Analysis Batch: 114822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	200	189.7		mg/Kg		95	80 - 120
Cadmium	5.00	4.89		mg/Kg		98	80 - 120
Silver	5.00	4.82		mg/Kg		96	80 - 120
Arsenic	200	199.2		mg/Kg		100	80 - 120
Chromium	20.0	19.33		mg/Kg		97	80 - 120
Selenium	200	198.6		mg/Kg		99	80 - 120

Lab Sample ID: LCS 240-114781/2-A
Matrix: Solid
Analysis Batch: 115006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	48.15		mg/Kg		96	80 - 120

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

Lab Sample ID: MB 240-114746/1-A
Matrix: Water
Analysis Batch: 115006

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 114746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1.13	J	200	0.67	ug/L		12/23/13 07:51	12/24/13 14:01	1
Cadmium	ND		5.0	0.66	ug/L		12/23/13 07:51	12/24/13 14:01	1
Silver	ND		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:01	1
Arsenic	ND		15.0	3.2	ug/L		12/23/13 07:51	12/24/13 14:01	1
Chromium	ND		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:01	1
Lead	ND		10.0	1.9	ug/L		12/23/13 07:51	12/24/13 14:01	1
Selenium	ND		20.0	4.1	ug/L		12/23/13 07:51	12/24/13 14:01	1

Lab Sample ID: LCS 240-114746/2-A
Matrix: Water
Analysis Batch: 115006

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 114746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	1928		ug/L		96	80 - 120
Cadmium	50.0	48.24		ug/L		96	80 - 120
Silver	50.0	48.48		ug/L		97	80 - 120
Arsenic	2000	1988		ug/L		99	80 - 120
Chromium	200	192.2		ug/L		96	80 - 120
Lead	500	495.7		ug/L		99	80 - 120
Selenium	2000	1939		ug/L		97	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-114752/1-A
Matrix: Water
Analysis Batch: 114993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		12/23/13 11:40	12/24/13 11:32	1

Lab Sample ID: LCS 240-114752/2-A
Matrix: Water
Analysis Batch: 114993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.23		ug/L		105	81 - 123

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 240-114791/1-A
Matrix: Solid
Analysis Batch: 114971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.10	0.015	mg/Kg		12/23/13 14:25	12/24/13 09:58	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: LCS 240-114791/2-A
Matrix: Solid
Analysis Batch: 114971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114791

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Hg			0.833	0.828		mg/Kg		99	80 - 120		

GC/MS VOA

Analysis Batch: 158483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-1	B-5	Total/NA	Water	8260C	
480-52218-2	B-6	Total/NA	Water	8260C	
480-52218-3	B-7	Total/NA	Water	8260C	
LCS 480-158483/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-158483/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-158483/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 158653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	8260C	158660
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	8260C	158660
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	8260C	158660
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	8260C	158660
LCS 480-158653/4	Lab Control Sample	Total/NA	Solid	8260C	
MB 480-158653/35	Method Blank	Total/NA	Solid	8260C	

Prep Batch: 158660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	5035A	
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	5035A	
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	5035A	
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	5035A	

Prep Batch: 158745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	5035A	
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	5035A	
LCS 480-158745/20-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-158745/21-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 158907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	8260C	158745
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	8260C	158745
LCS 480-158745/20-A	Lab Control Sample	Total/NA	Solid	8260C	158745
MB 480-158745/21-A	Method Blank	Total/NA	Solid	8260C	158745

GC VOA

Prep Batch: 114801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	5030B	
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	5030B	
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	5030B	
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	5030B	
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	5030B	
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	5030B	
480-52218-D-4-E MS	480-52218-D-4-E MS	Total/NA	Solid	5030B	
480-52218-D-4-F MSD	480-52218-D-4-F MSD	Total/NA	Solid	5030B	
LCS 240-114801/2-A	Lab Control Sample	Total/NA	Solid	5030B	

GC VOA (Continued)

Prep Batch: 114801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-114801/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 114815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	8015B	114801
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	8015B	114801
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	8015B	114801
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	8015B	114801
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	8015B	114801
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	8015B	114801
480-52218-D-4-E MS	480-52218-D-4-E MS	Total/NA	Solid	8015B	114801
480-52218-D-4-F MSD	480-52218-D-4-F MSD	Total/NA	Solid	8015B	114801
LCS 240-114801/2-A	Lab Control Sample	Total/NA	Solid	8015B	114801
MB 240-114801/1-A	Method Blank	Total/NA	Solid	8015B	114801

Analysis Batch: 115054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-3	B-7	Total/NA	Water	8015B	
LCS 240-115054/6	Lab Control Sample	Total/NA	Water	8015B	
MB 240-115054/5	Method Blank	Total/NA	Water	8015B	

Analysis Batch: 115193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-1	B-5	Total/NA	Water	8015B	
480-52218-2	B-6	Total/NA	Water	8015B	
480-52218-2 MS	B-6	Total/NA	Water	8015B	
480-52218-2 MSD	B-6	Total/NA	Water	8015B	
LCS 240-115193/6	Lab Control Sample	Total/NA	Water	8015B	
MB 240-115193/5	Method Blank	Total/NA	Water	8015B	

GC Semi VOA

Prep Batch: 114753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	3550C	
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	3550C	
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	3550C	
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	3550C	
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	3550C	
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	3550C	
480-52218-9 MS	B-2, 8-11ft.	Total/NA	Solid	3550C	
480-52218-9 MSD	B-2, 8-11ft.	Total/NA	Solid	3550C	
LCS 240-114753/12-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 240-114753/11-A	Method Blank	Total/NA	Solid	3550C	

Prep Batch: 114773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-1	B-5	Total/NA	Water	3510C	
480-52218-2	B-6	Total/NA	Water	3510C	
480-52218-3	B-7	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 114773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-114773/9-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-114773/8-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 114830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	8015D	114753
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	8015D	114753
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	8015D	114753
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	8015D	114753
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	8015D	114753
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	8015D	114753
480-52218-9 MS	B-2, 8-11ft.	Total/NA	Solid	8015D	114753
480-52218-9 MSD	B-2, 8-11ft.	Total/NA	Solid	8015D	114753
LCS 240-114753/12-A	Lab Control Sample	Total/NA	Solid	8015D	114753
MB 240-114753/11-A	Method Blank	Total/NA	Solid	8015D	114753

Analysis Batch: 114858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-1	B-5	Total/NA	Water	8015D	114773
480-52218-2	B-6	Total/NA	Water	8015D	114773
480-52218-3	B-7	Total/NA	Water	8015D	114773
LCS 240-114773/9-A	Lab Control Sample	Total/NA	Water	8015D	114773
MB 240-114773/8-A	Method Blank	Total/NA	Water	8015D	114773

Metals

Prep Batch: 114746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-1	B-5	Total Recoverable	Water	3005A	
480-52218-2	B-6	Total Recoverable	Water	3005A	
480-52218-3	B-7	Total Recoverable	Water	3005A	
LCS 240-114746/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-114746/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 114752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-1	B-5	Total/NA	Water	7470A	
480-52218-2	B-6	Total/NA	Water	7470A	
480-52218-3	B-7	Total/NA	Water	7470A	
LCS 240-114752/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-114752/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 114781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	3050B	
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	3050B	
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	3050B	
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	3050B	
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	3050B	
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 114781 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-114781/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-114781/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 114791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	7471B	
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	7471B	
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	7471B	
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	7471B	
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	7471B	
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	7471B	
LCS 240-114791/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-114791/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 114822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	6010C	114781
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	6010C	114781
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	6010C	114781
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	6010C	114781
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	6010C	114781
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	6010C	114781
LCS 240-114781/2-A	Lab Control Sample	Total/NA	Solid	6010C	114781
MB 240-114781/1-A	Method Blank	Total/NA	Solid	6010C	114781

Analysis Batch: 114971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	7471B	114791
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	7471B	114791
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	7471B	114791
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	7471B	114791
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	7471B	114791
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	7471B	114791
LCS 240-114791/2-A	Lab Control Sample	Total/NA	Solid	7471B	114791
MB 240-114791/1-A	Method Blank	Total/NA	Solid	7471B	114791

Analysis Batch: 114993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-1	B-5	Total/NA	Water	7470A	114752
480-52218-2	B-6	Total/NA	Water	7470A	114752
480-52218-3	B-7	Total/NA	Water	7470A	114752
LCS 240-114752/2-A	Lab Control Sample	Total/NA	Water	7470A	114752
MB 240-114752/1-A	Method Blank	Total/NA	Water	7470A	114752

Analysis Batch: 115006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-1	B-5	Total Recoverable	Water	6010C	114746
480-52218-2	B-6	Total Recoverable	Water	6010C	114746
480-52218-3	B-7	Total Recoverable	Water	6010C	114746
480-52218-3	B-7	Total Recoverable	Water	6010C	114746
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	6010C	114781

Metals (Continued)

Analysis Batch: 115006 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	6010C	114781
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	6010C	114781
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	6010C	114781
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	6010C	114781
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	6010C	114781
LCS 240-114746/2-A	Lab Control Sample	Total Recoverable	Water	6010C	114746
LCS 240-114781/2-A	Lab Control Sample	Total/NA	Solid	6010C	114781
MB 240-114746/1-A	Method Blank	Total Recoverable	Water	6010C	114746
MB 240-114781/1-A	Method Blank	Total/NA	Solid	6010C	114781

General Chemistry

Analysis Batch: 158381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52218-4	B-6, 4-8ft.	Total/NA	Solid	Moisture	
480-52218-5	B-6, 8-12ft.	Total/NA	Solid	Moisture	
480-52218-6	B-5, 4-8ft.	Total/NA	Solid	Moisture	
480-52218-7	B-7, 8-12ft.	Total/NA	Solid	Moisture	
480-52218-8	B-1, 11-14ft.	Total/NA	Solid	Moisture	
480-52218-9	B-2, 8-11ft.	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-5

Lab Sample ID: 480-52218-1

Date Collected: 12/18/13 14:30

Matrix: Water

Date Received: 12/18/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	158483	12/19/13 14:21	RAL	TAL BUF
Total/NA	Analysis	8015B		5	115193	12/27/13 19:46	BPM	TAL CAN
Total/NA	Prep	3510C			114773	12/23/13 09:07	AKC	TAL CAN
Total/NA	Analysis	8015D		1	114858	12/23/13 20:55	DEB	TAL CAN
Total/NA	Prep	7470A			114752	12/23/13 11:40	LPM	TAL CAN
Total/NA	Analysis	7470A		1	114993	12/24/13 11:46	AMM2	TAL CAN
Total Recoverable	Prep	3005A			114746	12/23/13 07:51	LPM	TAL CAN
Total Recoverable	Analysis	6010C		1	115006	12/24/13 14:35	RKT	TAL CAN

Client Sample ID: B-6

Lab Sample ID: 480-52218-2

Date Collected: 12/18/13 11:15

Matrix: Water

Date Received: 12/18/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	158483	12/19/13 14:45	RAL	TAL BUF
Total/NA	Analysis	8015B		10	115193	12/27/13 20:21	BPM	TAL CAN
Total/NA	Prep	3510C			114773	12/23/13 09:07	AKC	TAL CAN
Total/NA	Analysis	8015D		1	114858	12/23/13 21:16	DEB	TAL CAN
Total/NA	Prep	7470A			114752	12/23/13 11:40	LPM	TAL CAN
Total/NA	Analysis	7470A		1	114993	12/24/13 11:49	AMM2	TAL CAN
Total Recoverable	Prep	3005A			114746	12/23/13 07:51	LPM	TAL CAN
Total Recoverable	Analysis	6010C		2	115006	12/24/13 15:36	RKT	TAL CAN

Client Sample ID: B-7

Lab Sample ID: 480-52218-3

Date Collected: 12/18/13 12:30

Matrix: Water

Date Received: 12/18/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	158483	12/19/13 15:09	RAL	TAL BUF
Total/NA	Analysis	8015B		1	115054	12/26/13 15:39	BPM	TAL CAN
Total/NA	Prep	3510C			114773	12/23/13 09:07	AKC	TAL CAN
Total/NA	Analysis	8015D		1	114858	12/23/13 21:36	DEB	TAL CAN
Total/NA	Prep	7470A			114752	12/23/13 11:40	LPM	TAL CAN
Total/NA	Analysis	7470A		5	114993	12/24/13 11:50	AMM2	TAL CAN
Total Recoverable	Analysis	6010C		1	115006	12/24/13 14:43	RKT	TAL CAN
Total Recoverable	Prep	3005A			114746	12/23/13 07:51	LPM	TAL CAN
Total Recoverable	Analysis	6010C		5	115006	12/24/13 15:40	RKT	TAL CAN

Client Sample ID: B-6, 4-8ft.

Lab Sample ID: 480-52218-4

Date Collected: 12/18/13 11:00
Matrix: Solid
Date Received: 12/18/13 18:20
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158745	12/20/13 10:17	NQN	TAL BUF
Total/NA	Analysis	8260C		10	158907	12/21/13 06:43	NQN	TAL BUF
Total/NA	Prep	5030B			114801	12/23/13 11:02	BPM	TAL CAN
Total/NA	Analysis	8015B		1	114815	12/23/13 17:41	BPM	TAL CAN
Total/NA	Prep	3550C			114753	12/23/13 08:02	CSC	TAL CAN
Total/NA	Analysis	8015D		1	114830	12/23/13 17:31	DEB	TAL CAN
Total/NA	Analysis	6010C		1	114822	12/23/13 17:59	RKT	TAL CAN
Total/NA	Prep	7471B			114791	12/23/13 14:25	DEE	TAL CAN
Total/NA	Analysis	7471B		1	114971	12/24/13 10:05	AMM2	TAL CAN
Total/NA	Prep	3050B			114781	12/23/13 10:03	DEE	TAL CAN
Total/NA	Analysis	6010C		1	115006	12/24/13 12:59	RKT	TAL CAN
Total/NA	Analysis	Moisture		1	158381	12/18/13 23:25	GTG	TAL BUF

Client Sample ID: B-6, 8-12ft.

Lab Sample ID: 480-52218-5

Date Collected: 12/18/13 11:15
Matrix: Solid
Date Received: 12/18/13 18:20
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158660	12/20/13 00:36	CDC	TAL BUF
Total/NA	Analysis	8260C		1	158653	12/20/13 04:29	PJQ	TAL BUF
Total/NA	Prep	5030B			114801	12/23/13 11:02	BPM	TAL CAN
Total/NA	Analysis	8015B		1	114815	12/23/13 19:28	BPM	TAL CAN
Total/NA	Prep	3550C			114753	12/23/13 08:02	CSC	TAL CAN
Total/NA	Analysis	8015D		1	114830	12/23/13 18:01	DEB	TAL CAN
Total/NA	Prep	3050B			114781	12/23/13 10:03	DEE	TAL CAN
Total/NA	Analysis	6010C		1	114822	12/23/13 18:03	RKT	TAL CAN
Total/NA	Prep	7471B			114791	12/23/13 14:25	DEE	TAL CAN
Total/NA	Analysis	7471B		1	114971	12/24/13 10:06	AMM2	TAL CAN
Total/NA	Analysis	6010C		1	115006	12/24/13 13:03	RKT	TAL CAN
Total/NA	Analysis	Moisture		1	158381	12/18/13 23:25	GTG	TAL BUF

Client Sample ID: B-5, 4-8ft.

Lab Sample ID: 480-52218-6

Date Collected: 12/18/13 14:30
Matrix: Solid
Date Received: 12/18/13 18:20
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158745	12/20/13 10:17	NQN	TAL BUF
Total/NA	Analysis	8260C		2	158907	12/21/13 07:05	NQN	TAL BUF
Total/NA	Prep	5030B			114801	12/23/13 11:02	BPM	TAL CAN
Total/NA	Analysis	8015B		1	114815	12/23/13 20:04	BPM	TAL CAN
Total/NA	Prep	3550C			114753	12/23/13 08:02	CSC	TAL CAN
Total/NA	Analysis	8015D		1	114830	12/23/13 18:31	DEB	TAL CAN
Total/NA	Analysis	6010C		1	114822	12/23/13 18:07	RKT	TAL CAN

Client Sample ID: B-5, 4-8ft.

Lab Sample ID: 480-52218-6

Date Collected: 12/18/13 14:30

Matrix: Solid

Date Received: 12/18/13 18:20

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			114791	12/23/13 14:25	DEE	TAL CAN
Total/NA	Analysis	7471B		1	114971	12/24/13 10:09	AMM2	TAL CAN
Total/NA	Prep	3050B			114781	12/23/13 10:03	DEE	TAL CAN
Total/NA	Analysis	6010C		1	115006	12/24/13 13:07	RKT	TAL CAN
Total/NA	Analysis	Moisture		1	158381	12/18/13 23:25	GTG	TAL BUF

Client Sample ID: B-7, 8-12ft.

Lab Sample ID: 480-52218-7

Date Collected: 12/18/13 12:30

Matrix: Solid

Date Received: 12/18/13 18:20

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158660	12/20/13 00:36	CDC	TAL BUF
Total/NA	Analysis	8260C		1	158653	12/20/13 05:20	PJQ	TAL BUF
Total/NA	Prep	5030B			114801	12/23/13 11:02	BPM	TAL CAN
Total/NA	Analysis	8015B		1	114815	12/23/13 20:40	BPM	TAL CAN
Total/NA	Prep	3550C			114753	12/23/13 08:02	CSC	TAL CAN
Total/NA	Analysis	8015D		1	114830	12/23/13 19:01	DEB	TAL CAN
Total/NA	Prep	3050B			114781	12/23/13 10:03	DEE	TAL CAN
Total/NA	Analysis	6010C		1	114822	12/23/13 18:19	RKT	TAL CAN
Total/NA	Prep	7471B			114791	12/23/13 14:25	DEE	TAL CAN
Total/NA	Analysis	7471B		1	114971	12/24/13 10:10	AMM2	TAL CAN
Total/NA	Analysis	6010C		1	115006	12/24/13 13:11	RKT	TAL CAN
Total/NA	Analysis	Moisture		1	158381	12/18/13 23:25	GTG	TAL BUF

Client Sample ID: B-1, 11-14ft.

Lab Sample ID: 480-52218-8

Date Collected: 12/18/13 15:45

Matrix: Solid

Date Received: 12/18/13 18:20

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158660	12/20/13 00:36	CDC	TAL BUF
Total/NA	Analysis	8260C		1	158653	12/20/13 05:46	PJQ	TAL BUF
Total/NA	Prep	5030B			114801	12/23/13 11:02	BPM	TAL CAN
Total/NA	Analysis	8015B		1	114815	12/23/13 21:15	BPM	TAL CAN
Total/NA	Prep	3550C			114753	12/23/13 08:02	CSC	TAL CAN
Total/NA	Analysis	8015D		1	114830	12/23/13 19:31	DEB	TAL CAN
Total/NA	Analysis	6010C		1	114822	12/23/13 18:23	RKT	TAL CAN
Total/NA	Prep	7471B			114791	12/23/13 14:25	DEE	TAL CAN
Total/NA	Analysis	7471B		1	114971	12/24/13 10:12	AMM2	TAL CAN
Total/NA	Prep	3050B			114781	12/23/13 10:03	DEE	TAL CAN
Total/NA	Analysis	6010C		1	115006	12/24/13 13:15	RKT	TAL CAN
Total/NA	Analysis	Moisture		1	158381	12/18/13 23:25	GTG	TAL BUF

Lab Chronicle

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Client Sample ID: B-2, 8-11ft.
Date Collected: 12/18/13 16:30
Date Received: 12/18/13 18:20

Lab Sample ID: 480-52218-9
Matrix: Solid
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158660	12/20/13 00:36	CDC	TAL BUF
Total/NA	Analysis	8260C		1	158653	12/20/13 06:12	PJQ	TAL BUF
Total/NA	Prep	5030B			114801	12/23/13 11:02	BPM	TAL CAN
Total/NA	Analysis	8015B		1	114815	12/23/13 21:51	BPM	TAL CAN
Total/NA	Prep	3550C			114753	12/23/13 08:02	CSC	TAL CAN
Total/NA	Analysis	8015D		1	114830	12/23/13 20:30	DEB	TAL CAN
Total/NA	Prep	3050B			114781	12/23/13 10:03	DEE	TAL CAN
Total/NA	Analysis	6010C		1	114822	12/23/13 18:27	RKT	TAL CAN
Total/NA	Prep	7471B			114791	12/23/13 14:25	DEE	TAL CAN
Total/NA	Analysis	7471B		1	114971	12/24/13 10:17	AMM2	TAL CAN
Total/NA	Analysis	6010C		1	115006	12/24/13 13:19	RKT	TAL CAN
Total/NA	Analysis	Moisture		1	158381	12/18/13 23:25	GTG	TAL BUF

Laboratory References:

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

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13 *
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13 *
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13 *
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13 *
Wisconsin	State Program	5	998310390	08-31-14

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13 *
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	01-31-14 *
Kentucky (UST)	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14 *

* Expired certification is currently pending renewal and is considered valid.

Laboratory: TestAmerica Canton (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-14 *
West Virginia DEP	State Program	3	210	01-31-14 *
Wisconsin	State Program	5	999518190	08-31-14

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8015B	Gasoline Range Organics - (GC)	SW846	TAL CAN
8015D	Diesel Range Orgnics (DRO) (GC)	SW846	TAL CAN
6010C	Metals (ICP)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52218-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-52218-1	B-5	Water	12/18/13 14:30	12/18/13 18:20
480-52218-2	B-6	Water	12/18/13 11:15	12/18/13 18:20
480-52218-3	B-7	Water	12/18/13 12:30	12/18/13 18:20
480-52218-4	B-6, 4-8ft.	Solid	12/18/13 11:00	12/18/13 18:20
480-52218-5	B-6, 8-12ft.	Solid	12/18/13 11:15	12/18/13 18:20
480-52218-6	B-5, 4-8ft.	Solid	12/18/13 14:30	12/18/13 18:20
480-52218-7	B-7, 8-12ft.	Solid	12/18/13 12:30	12/18/13 18:20
480-52218-8	B-1, 11-14ft.	Solid	12/18/13 15:45	12/18/13 18:20
480-52218-9	B-2, 8-11ft.	Solid	12/18/13 16:30	12/18/13 18:20

Chain of Custody Record

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Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
AEI - Job# 326182	Gene Belli	12/18/13	263427
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
20 Gibson Place	732 - 414 - 2420		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Freehold / NJ / 07731	C. Bablin		
Project Name and Location (State)	**Carrier/Waybill Number**		
Rite Aid, Buffalo, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: # of Containers	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260	GRO	DRO	8 RCRA Metals	Special Instructions/ Conditions of Receipt
B-5	12/18/13	2:30		X			2			1	6			✓	✓	✓	✓	*8998
B-6		11:15		X										✓	✓	✓	✓	
B-7		12:30		X										✓	✓	✓	✓	
B-6, 4-8 ft.		11:00				X	5							✓	✓	✓	✓	
B-6, 8-12 ft.		11:15				X	5							✓	✓	✓	✓	
B-5, 4-8 ft.		2:30				X	5							✓	✓	✓	✓	
B-7, 8-12 ft.		12:30				X	5							✓	✓	✓	✓	
B-1, 11-14 ft.		3:45				X	5							✓	✓	✓	✓	
B-2, 8-11 ft.		4:30				X	5							✓	✓	✓	✓	
TRIP BLANK																		RECD - NOT USED BY CLIENT

480-52218 Chain of Custody

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: C. Bablin	12/18/13	6:20pm	1. Received By: [signature]	12/18/13	1820
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 5-6 #1 NO ICE

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

12/30/2013

Login Sample Receipt Checklist

Client: AEI Consultants

Job Number: 480-52218-1

Login Number: 52218

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	aei
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	Yes: Samples checked, no residual chlorine detected

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ANALYTICAL REPORT

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

TestAmerica Job ID: 480-52296-1
Client Project/Site: Rite Aid

For:
AEI Consultants
20 Gibson Place
Freehold, New Jersey 07728

Attn: Gene Belli

Authorized for release by:
12/27/2013 11:43:23 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 8
Surrogate Summary 24
QC Sample Results 27
QC Association Summary 38
Lab Chronicle 42
Certification Summary 45
Method Summary 47
Sample Summary 48
Chain of Custody 49
Receipt Checklists 50

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-52296-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-52296-1

Comments
No additional comments.

Receipt
The samples were received on 12/19/2013 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.1° C.

Except:

No dry weight volume for points three and four

GC/MS VOA
Method(s) 8260C: The following sample(s) submitted for volatiles analysis was analyzed with insufficient preservation (pH >2): B-3 (480-52296-6), B-8 (480-52296-1), B-9 (480-52296-2).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: B-3 (480-52296-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was analyzed medium level to bring the concentration of target analytes within the calibration range: B-3, 10-12' (480-52296-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The method blank for preparation batch 158745 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260C: The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): B-3 (480-52296-6), B-4 (480-52296-8).

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 114773. 3510C_LVI.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Detection Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-8 — Lab Sample ID: 480-52296-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.5	J	10	3.0	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.19	J	1.0	0.16	ug/L	1		8260C	Total/NA
Methylcyclohexane	0.25	J	1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	0.63	J	1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: B-9 — Lab Sample ID: 480-52296-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.59	J	1.0	0.16	ug/L	1		8260C	Total/NA
Methylcyclohexane	0.34	J	1.0	0.16	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.45	J	1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: B-8, 8-10' — Lab Sample ID: 480-52296-3

No Detections.

Client Sample ID: B-9, 4-8' — Lab Sample ID: 480-52296-4

No Detections.

Client Sample ID: B-3, 10-12' — Lab Sample ID: 480-52296-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.28	J	2.7	0.14	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	2.3	J	2.7	0.36	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	22		2.7	0.35	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	8.9		2.7	0.38	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	1.7	J	2.7	0.41	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	2.5	J	2.7	0.28	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	58		2.7	0.60	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	3.3		2.7	0.33	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	800		28	3.7	ug/Kg	1	☼	8260C	Total/NA
Barium	63.8	B	21.9	0.078	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.25	J	0.55	0.039	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.2		1.1	0.22	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.1		1.6	0.33	mg/Kg	1	☼	6010C	Total/NA
Lead	12.9		1.1	0.21	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-3 — Lab Sample ID: 480-52296-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.8		1.0	0.29	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	2.6		1.0	0.21	ug/L	1		8260C	Total/NA
Acetone	10		10	3.0	ug/L	1		8260C	Total/NA
Benzene	1.3		1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	11		1.0	0.75	ug/L	1		8260C	Total/NA
Cyclohexane	19		1.0	0.18	ug/L	1		8260C	Total/NA
Methylcyclohexane	2.4		1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	0.58	J	1.0	0.51	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	16		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	16		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-3 (Continued) — Lab Sample ID: 480-52296-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	1.1	J	2.0	0.66	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	230		40	32	ug/L	40		8260C	Total/NA
Tetrachloroethene - DL	3600		40	14	ug/L	40		8260C	Total/NA
Trichloroethene - DL	520		40	18	ug/L	40		8260C	Total/NA
Gasoline Range Organics [C6 - C10]	950		100	25	ug/L	1		8015B	Total/NA
Diesel Range Organics [C10 - C28]	1800		600	290	ug/L	1		8015D	Total/NA
Arsenic	232		15.0	3.2	ug/L	1		6010C	Total Recoverable
Barium	6530	B	200	0.67	ug/L	1		6010C	Total Recoverable
Cadmium	7.8		5.0	0.66	ug/L	1		6010C	Total Recoverable
Chromium	426		10.0	2.2	ug/L	1		6010C	Total Recoverable
Lead	7120		10.0	1.9	ug/L	1		6010C	Total Recoverable
Selenium	7.7	J	20.0	4.1	ug/L	1		6010C	Total Recoverable
Mercury	12.0		1.0	0.60	ug/L	5		7470A	Total/NA

Client Sample ID: B-4, 4-8' — Lab Sample ID: 480-52296-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	23.6	B	21.1	0.075	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.22	J	0.53	0.038	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.3		1.1	0.21	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.0		1.6	0.32	mg/Kg	1	☼	6010C	Total/NA
Lead	11.0		1.1	0.20	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-4 — Lab Sample ID: 480-52296-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA
Methylcyclohexane	0.42	J	1.0	0.16	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.48	J	1.0	0.36	ug/L	1		8260C	Total/NA
Diesel Range Organics [C10 - C28]	280	J	460	220	ug/L	1		8015D	Total/NA
Arsenic	38.9		15.0	3.2	ug/L	1		6010C	Total Recoverable
Barium	899	B	200	0.67	ug/L	1		6010C	Total Recoverable
Cadmium	7.3		5.0	0.66	ug/L	1		6010C	Total Recoverable
Chromium	161		10.0	2.2	ug/L	1		6010C	Total Recoverable
Lead	254		10.0	1.9	ug/L	1		6010C	Total Recoverable
Mercury	0.18	J	0.20	0.12	ug/L	1		7470A	Total/NA

Client Sample ID: B-2 — Lab Sample ID: 480-52296-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.7	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	14		10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-2 (Continued) — Lab Sample ID: 480-52296-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.30	J	1.0	0.19	ug/L	1		8260C	Total/NA
Tetrachloroethene	7.4		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.8		1.0	0.46	ug/L	1		8260C	Total/NA
Gasoline Range Organics [C6 - C10]	27	J	100	25	ug/L	1		8015B	Total/NA
Diesel Range Organics [C10 - C28]	990		450	210	ug/L	1		8015D	Total/NA
Arsenic	3.5	J	15.0	3.2	ug/L	1		6010C	Total Recoverable
Barium	223	B	200	0.67	ug/L	1		6010C	Total Recoverable
Chromium	12.7		10.0	2.2	ug/L	1		6010C	Total Recoverable
Lead	85.5		10.0	1.9	ug/L	1		6010C	Total Recoverable
Mercury	0.22		0.20	0.12	ug/L	1		7470A	Total/NA

Client Sample ID: B-1 — Lab Sample ID: 480-52296-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.21	J	1.0	0.19	ug/L	1		8260C	Total/NA
Methylcyclohexane	0.88	J	1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	0.92	J	1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	1.1	J	2.0	0.66	ug/L	1		8260C	Total/NA
Gasoline Range Organics [C6 - C10]	28	J	100	25	ug/L	1		8015B	Total/NA
Diesel Range Organics [C10 - C28]	1400		460	220	ug/L	1		8015D	Total/NA
Arsenic	60.1		15.0	3.2	ug/L	1		6010C	Total Recoverable
Barium	1370	B	200	0.67	ug/L	1		6010C	Total Recoverable
Cadmium	6.3		5.0	0.66	ug/L	1		6010C	Total Recoverable
Chromium	202		10.0	2.2	ug/L	1		6010C	Total Recoverable
Lead	723		10.0	1.9	ug/L	1		6010C	Total Recoverable
Mercury	1.3		0.20	0.12	ug/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-8
Date Collected: 12/19/13 10:15
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/20/13 06:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/20/13 06:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/20/13 06:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/20/13 06:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/20/13 06:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/20/13 06:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/20/13 06:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/20/13 06:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/20/13 06:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/20/13 06:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/20/13 06:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/20/13 06:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/20/13 06:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/20/13 06:52	1
2-Hexanone	ND		5.0	1.2	ug/L			12/20/13 06:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/20/13 06:52	1
Acetone	**3.5**	**J**	10	3.0	ug/L			12/20/13 06:52	1
Benzene	ND		1.0	0.41	ug/L			12/20/13 06:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/20/13 06:52	1
Bromoform	ND		1.0	0.26	ug/L			12/20/13 06:52	1
Bromomethane	ND		1.0	0.69	ug/L			12/20/13 06:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/20/13 06:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/20/13 06:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/20/13 06:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/20/13 06:52	1
Chloroethane	ND		1.0	0.32	ug/L			12/20/13 06:52	1
Chloroform	ND		1.0	0.34	ug/L			12/20/13 06:52	1
Chloromethane	ND		1.0	0.35	ug/L			12/20/13 06:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/20/13 06:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/20/13 06:52	1
Cyclohexane	ND		1.0	0.18	ug/L			12/20/13 06:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/20/13 06:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/20/13 06:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/20/13 06:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/20/13 06:52	1
Methyl acetate	ND		1.0	0.50	ug/L			12/20/13 06:52	1
Methyl tert-butyl ether	**0.19**	**J**	1.0	0.16	ug/L			12/20/13 06:52	1
Methylcyclohexane	**0.25**	**J**	1.0	0.16	ug/L			12/20/13 06:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/20/13 06:52	1
Styrene	ND		1.0	0.73	ug/L			12/20/13 06:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/20/13 06:52	1
Toluene	**0.63**	**J**	1.0	0.51	ug/L			12/20/13 06:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/20/13 06:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/20/13 06:52	1
Trichloroethene	ND		1.0	0.46	ug/L			12/20/13 06:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/20/13 06:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/20/13 06:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/20/13 06:52	1

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-8

Date Collected: 12/19/13 10:15
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*71 - 126*		*12/20/13 06:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*12/20/13 06:52*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/20/13 06:52*	*1*

Client Sample ID: B-9

Date Collected: 12/19/13 09:00
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/20/13 07:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/20/13 07:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/20/13 07:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/20/13 07:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/20/13 07:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/20/13 07:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/20/13 07:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/20/13 07:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/20/13 07:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/20/13 07:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/20/13 07:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/20/13 07:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/20/13 07:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/20/13 07:14	1
2-Hexanone	ND		5.0	1.2	ug/L			12/20/13 07:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/20/13 07:14	1
Acetone	ND		10	3.0	ug/L			12/20/13 07:14	1
Benzene	ND		1.0	0.41	ug/L			12/20/13 07:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/20/13 07:14	1
Bromoform	ND		1.0	0.26	ug/L			12/20/13 07:14	1
Bromomethane	ND		1.0	0.69	ug/L			12/20/13 07:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/20/13 07:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/20/13 07:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/20/13 07:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/20/13 07:14	1
Chloroethane	ND		1.0	0.32	ug/L			12/20/13 07:14	1
Chloroform	ND		1.0	0.34	ug/L			12/20/13 07:14	1
Chloromethane	ND		1.0	0.35	ug/L			12/20/13 07:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/20/13 07:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/20/13 07:14	1
Cyclohexane	ND		1.0	0.18	ug/L			12/20/13 07:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/20/13 07:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/20/13 07:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/20/13 07:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/20/13 07:14	1
Methyl acetate	ND		1.0	0.50	ug/L			12/20/13 07:14	1
Methyl tert-butyl ether	**0.59**	**J**	1.0	0.16	ug/L			12/20/13 07:14	1
Methylcyclohexane	**0.34**	**J**	1.0	0.16	ug/L			12/20/13 07:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/20/13 07:14	1
Styrene	ND		1.0	0.73	ug/L			12/20/13 07:14	1

Client Sample ID: B-9

Lab Sample ID: 480-52296-2

Date Collected: 12/19/13 09:00

Matrix: Water

Date Received: 12/19/13 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.45	J	1.0	0.36	ug/L			12/20/13 07:14	1
Toluene	ND		1.0	0.51	ug/L			12/20/13 07:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/20/13 07:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/20/13 07:14	1
Trichloroethene	ND		1.0	0.46	ug/L			12/20/13 07:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/20/13 07:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/20/13 07:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/20/13 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/20/13 07:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*12/20/13 07:14*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/20/13 07:14*	*1*

Client Sample ID: B-8, 8-10'

Lab Sample ID: 480-52296-3

Date Collected: 12/19/13 10:20

Matrix: Solid

Date Received: 12/19/13 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.6	0.19	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,1,2,2-Tetrachloroethane	ND		2.6	0.42	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,1,2-Trichloroethane	ND		2.6	0.34	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.6	0.59	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,1-Dichloroethane	ND		2.6	0.32	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,1-Dichloroethene	ND		2.6	0.32	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,2,4-Trichlorobenzene	ND		2.6	0.16	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,2-Dibromo-3-Chloropropane	ND		2.6	1.3	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,2-Dichlorobenzene	ND		2.6	0.20	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,2-Dichloroethane	ND		2.6	0.13	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,2-Dichloropropane	ND		2.6	1.3	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,3-Dichlorobenzene	ND		2.6	0.13	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,4-Dichlorobenzene	ND		2.6	0.36	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
2-Butanone (MEK)	ND		13	0.95	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
2-Hexanone	ND		13	1.3	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
4-Methyl-2-pentanone (MIBK)	ND		13	0.85	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Acetone	ND		13	2.2	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Benzene	ND		2.6	0.13	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Bromodichloromethane	ND		2.6	0.35	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Bromoform	ND		2.6	1.3	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Bromomethane	ND		2.6	0.23	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Carbon disulfide	ND		2.6	1.3	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Carbon tetrachloride	ND		2.6	0.25	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Chlorobenzene	ND		2.6	0.34	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Dibromochloromethane	ND		2.6	0.33	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Chloroethane	ND		2.6	0.59	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Chloroform	ND		2.6	0.16	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Chloromethane	ND		2.6	0.16	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
cis-1,2-Dichloroethene	ND		2.6	0.33	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
cis-1,3-Dichloropropene	ND		2.6	0.37	ug/Kg		12/20/13 00:36	12/20/13 06:38	1

Client Sample ID: B-8, 8-10'
Date Collected: 12/19/13 10:20
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		2.6	0.36	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Dichlorodifluoromethane	ND		2.6	0.21	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Ethylbenzene	ND		2.6	0.18	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
1,2-Dibromoethane	ND		2.6	0.33	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Isopropylbenzene	ND		2.6	0.39	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Methyl acetate	ND		2.6	0.48	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Methyl tert-butyl ether	ND		2.6	0.25	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Methylcyclohexane	ND		2.6	0.39	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Methylene Chloride	ND		2.6	1.2	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Styrene	ND		2.6	0.13	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Tetrachloroethene	ND		2.6	0.35	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Toluene	ND		2.6	0.20	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
trans-1,2-Dichloroethene	ND		2.6	0.27	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
trans-1,3-Dichloropropene	ND		2.6	1.1	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Trichloroethene	ND		2.6	0.57	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Trichlorofluoromethane	ND		2.6	0.25	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Vinyl chloride	ND		2.6	0.32	ug/Kg		12/20/13 00:36	12/20/13 06:38	1
Xylenes, Total	ND		5.2	0.44	ug/Kg		12/20/13 00:36	12/20/13 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 125*	*12/20/13 00:36*	*12/20/13 06:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*	*12/20/13 00:36*	*12/20/13 06:38*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*12/20/13 00:36*	*12/20/13 06:38*	*1*

Client Sample ID: B-9, 4-8'
Date Collected: 12/19/13 08:45
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.2	0.16	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,1,2,2-Tetrachloroethane	ND		2.2	0.36	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,1,2-Trichloroethane	ND		2.2	0.29	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.2	0.50	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,1-Dichloroethane	ND		2.2	0.27	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,1-Dichloroethene	ND		2.2	0.27	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,2,4-Trichlorobenzene	ND		2.2	0.13	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,2-Dibromo-3-Chloropropane	ND		2.2	1.1	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,2-Dichlorobenzene	ND		2.2	0.17	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,2-Dichloroethane	ND		2.2	0.11	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,2-Dichloropropane	ND		2.2	1.1	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,3-Dichlorobenzene	ND		2.2	0.11	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,4-Dichlorobenzene	ND		2.2	0.31	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
2-Butanone (MEK)	ND		11	0.81	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
2-Hexanone	ND		11	1.1	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
4-Methyl-2-pentanone (MIBK)	ND		11	0.73	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Acetone	ND		11	1.9	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Benzene	ND		2.2	0.11	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Bromodichloromethane	ND		2.2	0.30	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Bromoform	ND		2.2	1.1	ug/Kg		12/20/13 00:36	12/20/13 07:03	1

Client Sample ID: B-9, 4-8'
Date Collected: 12/19/13 08:45
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.2	0.20	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Carbon disulfide	ND		2.2	1.1	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Carbon tetrachloride	ND		2.2	0.21	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Chlorobenzene	ND		2.2	0.29	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Dibromochloromethane	ND		2.2	0.28	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Chloroethane	ND		2.2	0.50	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Chloroform	ND		2.2	0.14	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Chloromethane	ND		2.2	0.13	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
cis-1,2-Dichloroethene	ND		2.2	0.28	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
cis-1,3-Dichloropropene	ND		2.2	0.32	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Cyclohexane	ND		2.2	0.31	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Dichlorodifluoromethane	ND		2.2	0.18	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Ethylbenzene	ND		2.2	0.15	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
1,2-Dibromoethane	ND		2.2	0.28	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Isopropylbenzene	ND		2.2	0.33	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Methyl acetate	ND		2.2	0.41	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Methyl tert-butyl ether	ND		2.2	0.22	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Methylcyclohexane	ND		2.2	0.34	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Methylene Chloride	ND		2.2	1.0	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Styrene	ND		2.2	0.11	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Tetrachloroethene	ND		2.2	0.30	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Toluene	ND		2.2	0.17	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
trans-1,2-Dichloroethene	ND		2.2	0.23	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
trans-1,3-Dichloropropene	ND		2.2	0.97	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Trichloroethene	ND		2.2	0.49	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Trichlorofluoromethane	ND		2.2	0.21	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Vinyl chloride	ND		2.2	0.27	ug/Kg		12/20/13 00:36	12/20/13 07:03	1
Xylenes, Total	ND		4.4	0.37	ug/Kg		12/20/13 00:36	12/20/13 07:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 125*	*12/20/13 00:36*	*12/20/13 07:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*12/20/13 00:36*	*12/20/13 07:03*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*12/20/13 00:36*	*12/20/13 07:03*	*1*

Client Sample ID: B-3, 10-12'
Date Collected: 12/19/13 11:25
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-5
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7	0.20	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,1,2,2-Tetrachloroethane	ND		2.7	0.44	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,1,2-Trichloroethane	ND		2.7	0.35	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.7	0.62	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,1-Dichloroethane	ND		2.7	0.33	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,1-Dichloroethene	ND		2.7	0.33	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,2,4-Trichlorobenzene	ND		2.7	0.17	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,2-Dibromo-3-Chloropropane	ND		2.7	1.4	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,2-Dichlorobenzene	ND		2.7	0.21	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,2-Dichloroethane	**0.28**	**J**	2.7	0.14	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1

Client Sample ID: B-3, 10-12'
Date Collected: 12/19/13 11:25
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-5
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		2.7	1.4	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,3-Dichlorobenzene	ND		2.7	0.14	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,4-Dichlorobenzene	ND		2.7	0.38	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
2-Butanone (MEK)	ND		14	1.0	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
2-Hexanone	ND		14	1.4	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
4-Methyl-2-pentanone (MIBK)	ND		14	0.90	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Acetone	ND		14	2.3	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Benzene	ND		2.7	0.13	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Bromodichloromethane	ND		2.7	0.37	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Bromoform	ND		2.7	1.4	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Bromomethane	ND		2.7	0.25	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Carbon disulfide	ND		2.7	1.4	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Carbon tetrachloride	ND		2.7	0.26	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Chlorobenzene	**2.3**	**J**	2.7	0.36	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Dibromochloromethane	ND		2.7	0.35	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Chloroethane	ND		2.7	0.62	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Chloroform	ND		2.7	0.17	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Chloromethane	ND		2.7	0.16	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
cis-1,2-Dichloroethene	**22**		2.7	0.35	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
cis-1,3-Dichloropropene	ND		2.7	0.39	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Cyclohexane	**8.9**		2.7	0.38	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Dichlorodifluoromethane	ND		2.7	0.23	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Ethylbenzene	ND		2.7	0.19	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
1,2-Dibromoethane	ND		2.7	0.35	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Isopropylbenzene	ND		2.7	0.41	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Methyl acetate	ND		2.7	0.51	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Methyl tert-butyl ether	ND		2.7	0.27	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Methylcyclohexane	**1.7**	**J**	2.7	0.41	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Methylene Chloride	ND		2.7	1.3	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Styrene	ND		2.7	0.14	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Toluene	ND		2.7	0.21	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
trans-1,2-Dichloroethene	**2.5**	**J**	2.7	0.28	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
trans-1,3-Dichloropropene	ND		2.7	1.2	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Trichloroethene	**58**		2.7	0.60	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Trichlorofluoromethane	ND		2.7	0.26	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Vinyl chloride	**3.3**		2.7	0.33	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1
Xylenes, Total	ND		5.5	0.46	ug/Kg	☼	12/20/13 00:36	12/20/13 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*71 - 125*	*12/20/13 00:36*	*12/20/13 07:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*12/20/13 00:36*	*12/20/13 07:29*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*12/20/13 00:36*	*12/20/13 07:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**800**		28	3.7	ug/Kg	☼	12/20/13 10:17	12/20/13 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*12/20/13 10:17*	*12/20/13 13:55*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*12/20/13 10:17*	*12/20/13 13:55*	*1*

Client Sample ID: B-3, 10-12'
Date Collected: 12/19/13 11:25
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-5
Matrix: Solid
Percent Solids: 83.9

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*50 - 149*	*12/20/13 10:17*	*12/20/13 13:55*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5900	2000	ug/Kg	☼	12/23/13 11:02	12/23/13 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*117*		*29 - 160*	*12/23/13 11:02*	*12/23/13 23:02*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		20	11	mg/Kg	☼	12/23/13 08:02	12/23/13 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*40 - 160*	*12/23/13 08:02*	*12/23/13 22:00*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**63.8**	**B**	21.9	0.078	mg/Kg	☼	12/23/13 10:03	12/23/13 18:31	1
Cadmium	**0.25**	**J**	0.55	0.039	mg/Kg	☼	12/23/13 10:03	12/23/13 18:31	1
Chromium	**12.2**		1.1	0.22	mg/Kg	☼	12/23/13 10:03	12/23/13 18:31	1
Silver	ND		1.1	0.11	mg/Kg	☼	12/23/13 10:03	12/23/13 18:31	1
Arsenic	**3.1**		1.6	0.33	mg/Kg	☼	12/23/13 10:03	12/23/13 18:31	1
Lead	**12.9**		1.1	0.21	mg/Kg	☼	12/23/13 10:03	12/24/13 13:23	1
Selenium	ND		2.2	0.49	mg/Kg	☼	12/23/13 10:03	12/23/13 18:31	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.14	0.021	mg/Kg	☼	12/23/13 14:25	12/24/13 10:18	1

Client Sample ID: B-3
Date Collected: 12/19/13 11:45
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/20/13 07:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/20/13 07:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/20/13 07:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/20/13 07:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/20/13 07:35	1
1,1-Dichloroethene	**1.8**		1.0	0.29	ug/L			12/20/13 07:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/20/13 07:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/20/13 07:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/20/13 07:35	1
1,2-Dichloroethane	**2.6**		1.0	0.21	ug/L			12/20/13 07:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/20/13 07:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/20/13 07:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/20/13 07:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/20/13 07:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/20/13 07:35	1

Client Sample ID: B-3
Date Collected: 12/19/13 11:45
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/20/13 07:35	1
Acetone	**10**		10	3.0	ug/L			12/20/13 07:35	1
Benzene	**1.3**		1.0	0.41	ug/L			12/20/13 07:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/20/13 07:35	1
Bromoform	ND		1.0	0.26	ug/L			12/20/13 07:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/20/13 07:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/20/13 07:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/20/13 07:35	1
Chlorobenzene	**11**		1.0	0.75	ug/L			12/20/13 07:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/20/13 07:35	1
Chloroethane	ND		1.0	0.32	ug/L			12/20/13 07:35	1
Chloroform	ND		1.0	0.34	ug/L			12/20/13 07:35	1
Chloromethane	ND		1.0	0.35	ug/L			12/20/13 07:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/20/13 07:35	1
Cyclohexane	**19**		1.0	0.18	ug/L			12/20/13 07:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/20/13 07:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/20/13 07:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/20/13 07:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/20/13 07:35	1
Methyl acetate	ND		1.0	0.50	ug/L			12/20/13 07:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/20/13 07:35	1
Methylcyclohexane	**2.4**		1.0	0.16	ug/L			12/20/13 07:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/20/13 07:35	1
Styrene	ND		1.0	0.73	ug/L			12/20/13 07:35	1
Toluene	**0.58**	**J**	1.0	0.51	ug/L			12/20/13 07:35	1
trans-1,2-Dichloroethene	**16**		1.0	0.90	ug/L			12/20/13 07:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/20/13 07:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/20/13 07:35	1
Vinyl chloride	**16**		1.0	0.90	ug/L			12/20/13 07:35	1
Xylenes, Total	**1.1**	**J**	2.0	0.66	ug/L			12/20/13 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/20/13 07:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*12/20/13 07:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/20/13 07:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**230**		40	32	ug/L			12/20/13 14:55	40
Tetrachloroethene	**3600**		40	14	ug/L			12/20/13 14:55	40
Trichloroethene	**520**		40	18	ug/L			12/20/13 14:55	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*71 - 126*		*12/20/13 14:55*	*40*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/20/13 14:55*	*40*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/20/13 14:55*	*40*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**950**		100	25	ug/L			12/26/13 16:15	1

Client Sample ID: B-3

Lab Sample ID: 480-52296-6

Date Collected: 12/19/13 11:45

Matrix: Water

Date Received: 12/19/13 15:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*91*		*40 - 133*		*12/26/13 16:15*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**1800**		600	290	ug/L		12/23/13 09:07	12/23/13 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*			*12/23/13 09:07*	*12/23/13 21:57*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:47	1
Arsenic	**232**		15.0	3.2	ug/L		12/23/13 07:51	12/24/13 14:47	1
Barium	**6530**	**B**	200	0.67	ug/L		12/23/13 07:51	12/24/13 14:47	1
Cadmium	**7.8**		5.0	0.66	ug/L		12/23/13 07:51	12/24/13 14:47	1
Chromium	**426**		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:47	1
Lead	**7120**		10.0	1.9	ug/L		12/23/13 07:51	12/24/13 14:47	1
Selenium	**7.7**	**J**	20.0	4.1	ug/L		12/23/13 07:51	12/24/13 14:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**12.0**		1.0	0.60	ug/L		12/23/13 11:40	12/24/13 11:52	5

Client Sample ID: B-4, 4-8'

Lab Sample ID: 480-52296-7

Date Collected: 12/19/13 12:30

Matrix: Solid

Date Received: 12/19/13 15:00

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.2	0.23	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,1,2,2-Tetrachloroethane	ND		3.2	0.51	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,1,2-Trichloroethane	ND		3.2	0.41	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.2	0.72	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,1-Dichloroethane	ND		3.2	0.39	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,1-Dichloroethene	ND		3.2	0.39	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,2,4-Trichlorobenzene	ND		3.2	0.19	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,2-Dibromo-3-Chloropropane	ND		3.2	1.6	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,2-Dichlorobenzene	ND		3.2	0.25	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,2-Dichloroethane	ND		3.2	0.16	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,2-Dichloropropane	ND		3.2	1.6	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,3-Dichlorobenzene	ND		3.2	0.16	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,4-Dichlorobenzene	ND		3.2	0.44	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
2-Butanone (MEK)	ND		16	1.2	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
2-Hexanone	ND		16	1.6	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
4-Methyl-2-pentanone (MIBK)	ND		16	1.0	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Acetone	ND		16	2.7	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Benzene	ND		3.2	0.16	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Bromodichloromethane	ND		3.2	0.43	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Bromoform	ND		3.2	1.6	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Bromomethane	ND		3.2	0.29	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Carbon disulfide	ND		3.2	1.6	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-4, 4-8'
Date Collected: 12/19/13 12:30
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-7
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		3.2	0.31	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Chlorobenzene	ND		3.2	0.42	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Dibromochloromethane	ND		3.2	0.41	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Chloroethane	ND		3.2	0.72	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Chloroform	ND		3.2	0.20	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Chloromethane	ND		3.2	0.19	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
cis-1,2-Dichloroethene	ND		3.2	0.41	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
cis-1,3-Dichloropropene	ND		3.2	0.46	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Cyclohexane	ND		3.2	0.44	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Dichlorodifluoromethane	ND		3.2	0.26	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Ethylbenzene	ND		3.2	0.22	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
1,2-Dibromoethane	ND		3.2	0.41	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Isopropylbenzene	ND		3.2	0.48	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Methyl acetate	ND		3.2	0.59	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Methyl tert-butyl ether	ND		3.2	0.31	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Methylcyclohexane	ND		3.2	0.48	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Methylene Chloride	ND		3.2	1.5	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Styrene	ND		3.2	0.16	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Tetrachloroethene	ND		3.2	0.43	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Toluene	ND		3.2	0.24	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
trans-1,2-Dichloroethene	ND		3.2	0.33	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
trans-1,3-Dichloropropene	ND		3.2	1.4	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Trichloroethene	ND		3.2	0.70	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Trichlorofluoromethane	ND		3.2	0.30	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Vinyl chloride	ND		3.2	0.39	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1
Xylenes, Total	ND		6.3	0.53	ug/Kg	☼	12/20/13 00:36	12/20/13 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 125*	*12/20/13 00:36*	*12/20/13 07:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*12/20/13 00:36*	*12/20/13 07:55*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*12/20/13 00:36*	*12/20/13 07:55*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5800	2000	ug/Kg	☼	12/23/13 11:02	12/23/13 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*97*		*29 - 160*	*12/23/13 11:02*	*12/23/13 23:37*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		20	11	mg/Kg	☼	12/23/13 08:02	12/23/13 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*40 - 160*	*12/23/13 08:02*	*12/23/13 22:30*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**23.6**	**B**	21.1	0.075	mg/Kg	☼	12/23/13 10:03	12/23/13 18:35	1
Cadmium	**0.22**	**J**	0.53	0.038	mg/Kg	☼	12/23/13 10:03	12/23/13 18:35	1
Chromium	**7.3**		1.1	0.21	mg/Kg	☼	12/23/13 10:03	12/23/13 18:35	1

Client Sample ID: B-4, 4-8'
Date Collected: 12/19/13 12:30
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-7
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.1	0.11	mg/Kg	☼	12/23/13 10:03	12/23/13 18:35	1
Arsenic	**2.0**		1.6	0.32	mg/Kg	☼	12/23/13 10:03	12/23/13 18:35	1
Lead	**11.0**		1.1	0.20	mg/Kg	☼	12/23/13 10:03	12/24/13 13:27	1
Selenium	ND		2.1	0.47	mg/Kg	☼	12/23/13 10:03	12/23/13 18:35	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.12	0.019	mg/Kg	☼	12/23/13 14:25	12/24/13 10:20	1

Client Sample ID: B-4
Date Collected: 12/19/13 13:00
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/20/13 15:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/20/13 15:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/20/13 15:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/20/13 15:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/20/13 15:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/20/13 15:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/20/13 15:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/20/13 15:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/20/13 15:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/20/13 15:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/20/13 15:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/20/13 15:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/20/13 15:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/20/13 15:16	1
2-Hexanone	ND		5.0	1.2	ug/L			12/20/13 15:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/20/13 15:16	1
Acetone	**3.3**	**J**	10	3.0	ug/L			12/20/13 15:16	1
Benzene	ND		1.0	0.41	ug/L			12/20/13 15:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/20/13 15:16	1
Bromoform	ND		1.0	0.26	ug/L			12/20/13 15:16	1
Bromomethane	ND		1.0	0.69	ug/L			12/20/13 15:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/20/13 15:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/20/13 15:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/20/13 15:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/20/13 15:16	1
Chloroethane	ND		1.0	0.32	ug/L			12/20/13 15:16	1
Chloroform	ND		1.0	0.34	ug/L			12/20/13 15:16	1
Chloromethane	ND		1.0	0.35	ug/L			12/20/13 15:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/20/13 15:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/20/13 15:16	1
Cyclohexane	ND		1.0	0.18	ug/L			12/20/13 15:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/20/13 15:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/20/13 15:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/20/13 15:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/20/13 15:16	1

Client Sample ID: B-4
Date Collected: 12/19/13 13:00
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		1.0	0.50	ug/L			12/20/13 15:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/20/13 15:16	1
Methylcyclohexane	**0.42**	**J**	1.0	0.16	ug/L			12/20/13 15:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/20/13 15:16	1
Styrene	ND		1.0	0.73	ug/L			12/20/13 15:16	1
Tetrachloroethene	**0.48**	**J**	1.0	0.36	ug/L			12/20/13 15:16	1
Toluene	ND		1.0	0.51	ug/L			12/20/13 15:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/20/13 15:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/20/13 15:16	1
Trichloroethene	ND		1.0	0.46	ug/L			12/20/13 15:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/20/13 15:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/20/13 15:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/20/13 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/20/13 15:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*12/20/13 15:16*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/20/13 15:16*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			12/26/13 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*90*		*40 - 133*		*12/26/13 16:51*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**280**	**J**	460	220	ug/L		12/23/13 09:07	12/23/13 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*			*12/23/13 09:07*	*12/23/13 22:17*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:52	1
Arsenic	**38.9**		15.0	3.2	ug/L		12/23/13 07:51	12/24/13 14:52	1
Barium	**899**	**B**	200	0.67	ug/L		12/23/13 07:51	12/24/13 14:52	1
Cadmium	**7.3**		5.0	0.66	ug/L		12/23/13 07:51	12/24/13 14:52	1
Chromium	**161**		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:52	1
Lead	**254**		10.0	1.9	ug/L		12/23/13 07:51	12/24/13 14:52	1
Selenium	ND		20.0	4.1	ug/L		12/23/13 07:51	12/24/13 14:52	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.18**	**J**	0.20	0.12	ug/L		12/23/13 11:40	12/24/13 11:56	1

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-2
Date Collected: 12/19/13 13:30
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/20/13 08:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/20/13 08:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/20/13 08:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/20/13 08:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/20/13 08:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/20/13 08:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/20/13 08:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/20/13 08:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/20/13 08:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/20/13 08:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/20/13 08:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/20/13 08:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/20/13 08:18	1
2-Butanone (MEK)	**1.7**	**J**	10	1.3	ug/L			12/20/13 08:18	1
2-Hexanone	ND		5.0	1.2	ug/L			12/20/13 08:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/20/13 08:18	1
Acetone	**14**		10	3.0	ug/L			12/20/13 08:18	1
Benzene	ND		1.0	0.41	ug/L			12/20/13 08:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/20/13 08:18	1
Bromoform	ND		1.0	0.26	ug/L			12/20/13 08:18	1
Bromomethane	ND		1.0	0.69	ug/L			12/20/13 08:18	1
Carbon disulfide	**0.30**	**J**	1.0	0.19	ug/L			12/20/13 08:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/20/13 08:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/20/13 08:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/20/13 08:18	1
Chloroethane	ND		1.0	0.32	ug/L			12/20/13 08:18	1
Chloroform	ND		1.0	0.34	ug/L			12/20/13 08:18	1
Chloromethane	ND		1.0	0.35	ug/L			12/20/13 08:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/20/13 08:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/20/13 08:18	1
Cyclohexane	ND		1.0	0.18	ug/L			12/20/13 08:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/20/13 08:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/20/13 08:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/20/13 08:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/20/13 08:18	1
Methyl acetate	ND		1.0	0.50	ug/L			12/20/13 08:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/20/13 08:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/20/13 08:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/20/13 08:18	1
Styrene	ND		1.0	0.73	ug/L			12/20/13 08:18	1
Tetrachloroethene	**7.4**		1.0	0.36	ug/L			12/20/13 08:18	1
Toluene	ND		1.0	0.51	ug/L			12/20/13 08:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/20/13 08:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/20/13 08:18	1
Trichloroethene	**2.8**		1.0	0.46	ug/L			12/20/13 08:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/20/13 08:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/20/13 08:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/20/13 08:18	1

Client Sample ID: B-2

Lab Sample ID: 480-52296-9

Date Collected: 12/19/13 13:30

Matrix: Water

Date Received: 12/19/13 15:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/20/13 08:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*12/20/13 08:18*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/20/13 08:18*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**27**	**J**	100	25	ug/L			12/26/13 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*90*		*40 - 133*		*12/26/13 17:27*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**990**		450	210	ug/L		12/23/13 09:07	12/23/13 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*			*12/23/13 09:07*	*12/23/13 22:38*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:08	1
Arsenic	**3.5**	**J**	15.0	3.2	ug/L		12/23/13 07:51	12/24/13 14:08	1
Barium	**223**	**B**	200	0.67	ug/L		12/23/13 07:51	12/24/13 14:08	1
Cadmium	ND		5.0	0.66	ug/L		12/23/13 07:51	12/24/13 14:08	1
Chromium	**12.7**		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:08	1
Lead	**85.5**		10.0	1.9	ug/L		12/23/13 07:51	12/24/13 14:08	1
Selenium	ND		20.0	4.1	ug/L		12/23/13 07:51	12/24/13 14:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**		0.20	0.12	ug/L		12/23/13 11:40	12/24/13 11:58	1

Client Sample ID: B-1

Lab Sample ID: 480-52296-10

Date Collected: 12/19/13 13:50

Matrix: Water

Date Received: 12/19/13 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/20/13 08:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/20/13 08:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/20/13 08:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/20/13 08:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/20/13 08:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/20/13 08:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/20/13 08:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/20/13 08:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/20/13 08:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/20/13 08:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/20/13 08:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/20/13 08:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/20/13 08:39	1

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-1
Date Collected: 12/19/13 13:50
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			12/20/13 08:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/20/13 08:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/20/13 08:39	1
Acetone	**3.3**	**J**	10	3.0	ug/L			12/20/13 08:39	1
Benzene	ND		1.0	0.41	ug/L			12/20/13 08:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/20/13 08:39	1
Bromoform	ND		1.0	0.26	ug/L			12/20/13 08:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/20/13 08:39	1
Carbon disulfide	**0.21**	**J**	1.0	0.19	ug/L			12/20/13 08:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/20/13 08:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/20/13 08:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/20/13 08:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/20/13 08:39	1
Chloroform	ND		1.0	0.34	ug/L			12/20/13 08:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/20/13 08:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/20/13 08:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/20/13 08:39	1
Cyclohexane	ND		1.0	0.18	ug/L			12/20/13 08:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/20/13 08:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/20/13 08:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/20/13 08:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/20/13 08:39	1
Methyl acetate	ND		1.0	0.50	ug/L			12/20/13 08:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/20/13 08:39	1
Methylcyclohexane	**0.88**	**J**	1.0	0.16	ug/L			12/20/13 08:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/20/13 08:39	1
Styrene	ND		1.0	0.73	ug/L			12/20/13 08:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/20/13 08:39	1
Toluene	**0.92**	**J**	1.0	0.51	ug/L			12/20/13 08:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/20/13 08:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/20/13 08:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/20/13 08:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/20/13 08:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/20/13 08:39	1
Xylenes, Total	**1.1**	**J**	2.0	0.66	ug/L			12/20/13 08:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/20/13 08:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*12/20/13 08:39*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/20/13 08:39*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**28**	**J**	100	25	ug/L			12/26/13 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*90*		*40 - 133*		*12/26/13 18:39*	*1*

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-1
Date Collected: 12/19/13 13:50
Date Received: 12/19/13 15:00

Lab Sample ID: 480-52296-10
Matrix: Water

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	1400		460	220	ug/L		12/23/13 09:07	12/23/13 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*			*12/23/13 09:07*	*12/23/13 22:58*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:56	1
Arsenic	60.1		15.0	3.2	ug/L		12/23/13 07:51	12/24/13 14:56	1
Barium	1370	B	200	0.67	ug/L		12/23/13 07:51	12/24/13 14:56	1
Cadmium	6.3		5.0	0.66	ug/L		12/23/13 07:51	12/24/13 14:56	1
Chromium	202		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:56	1
Lead	723		10.0	1.9	ug/L		12/23/13 07:51	12/24/13 14:56	1
Selenium	ND		20.0	4.1	ug/L		12/23/13 07:51	12/24/13 14:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.3		0.20	0.12	ug/L		12/23/13 11:40	12/24/13 12:00	1

Surrogate Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(71-125)	(64-126)	(72-126)
480-52296-3	B-8, 8-10'	101	99	101
480-52296-4	B-9, 4-8'	101	101	102
480-52296-5	B-3, 10-12'	98	106	102
480-52296-7	B-4, 4-8'	101	102	102
LCS 480-158653/4	Lab Control Sample	100	98	101
MB 480-158653/35	Method Blank	100	99	97

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)
480-52296-5 - DL	B-3, 10-12'	101	99	102
LCS 480-158745/1-A	Lab Control Sample	105	100	100
MB 480-158745/2-A	Method Blank	105	94	103

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(71-126)	(66-137)	(73-120)
480-52296-1	B-8	102	105	95
480-52296-2	B-9	100	103	92
480-52296-6	B-3	95	111	95
480-52296-6 - DL	B-3	96	99	104
480-52296-8	B-4	97	101	108
480-52296-9	B-2	101	102	94
480-52296-10	B-1	101	104	93
LCS 480-158633/6	Lab Control Sample	102	105	100
LCS 480-158747/8	Lab Control Sample	96	97	99
MB 480-158633/8	Method Blank	103	104	93
MB 480-158747/7	Method Blank	95	100	104

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Method: 8015B - Gasoline Range Organics - (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(29-160)
480-52296-5	B-3, 10-12'	117
480-52296-7	B-4, 4-8'	97
LCS 240-114801/2-A	Lab Control Sample	123
MB 240-114801/1-A	Method Blank	103

Surrogate Legend

TFT = Trifluorotoluene (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(40-133)
480-52296-6	B-3	91
480-52296-8	B-4	90
480-52296-9	B-2	90
480-52296-10	B-1	90
LCS 240-115054/6	Lab Control Sample	102
MB 240-115054/5	Method Blank	96

Surrogate Legend

TFT = Trifluorotoluene (Surr)

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(40-160)
480-52296-5	B-3, 10-12'	72
480-52296-7	B-4, 4-8'	64
LCS 240-114753/12-A	Lab Control Sample	85
MB 240-114753/11-A	Method Blank	67

Surrogate Legend

OTPH = o-Terphenyl

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	
480-52296-6	B-3	78
480-52296-8	B-4	81
480-52296-9	B-2	73
480-52296-10	B-1	77
LCS 240-114773/9-A	Lab Control Sample	84
MB 240-114773/8-A	Method Blank	82

Surrogate Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Surrogate Legend

OTPH = o-Terphenyl

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

Lab Sample ID: MB 480-158633/8
Matrix: Water
Analysis Batch: 158633

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/20/13 00:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/20/13 00:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/20/13 00:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/20/13 00:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/20/13 00:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/20/13 00:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/20/13 00:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/20/13 00:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/20/13 00:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/20/13 00:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/20/13 00:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/20/13 00:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/20/13 00:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/20/13 00:12	1
2-Hexanone	ND		5.0	1.2	ug/L			12/20/13 00:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/20/13 00:12	1
Acetone	ND		10	3.0	ug/L			12/20/13 00:12	1
Benzene	ND		1.0	0.41	ug/L			12/20/13 00:12	1
Bromoform	ND		1.0	0.26	ug/L			12/20/13 00:12	1
Bromomethane	ND		1.0	0.69	ug/L			12/20/13 00:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/20/13 00:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/20/13 00:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/20/13 00:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/20/13 00:12	1
Chloroethane	ND		1.0	0.32	ug/L			12/20/13 00:12	1
Chloroform	ND		1.0	0.34	ug/L			12/20/13 00:12	1
Chloromethane	ND		1.0	0.35	ug/L			12/20/13 00:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/20/13 00:12	1
Cyclohexane	ND		1.0	0.18	ug/L			12/20/13 00:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/20/13 00:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/20/13 00:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/20/13 00:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/20/13 00:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/20/13 00:12	1
Methyl acetate	ND		1.0	0.50	ug/L			12/20/13 00:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/20/13 00:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/20/13 00:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/20/13 00:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/20/13 00:12	1
Toluene	ND		1.0	0.51	ug/L			12/20/13 00:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/20/13 00:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/20/13 00:12	1
Trichloroethene	ND		1.0	0.46	ug/L			12/20/13 00:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/20/13 00:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/20/13 00:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/20/13 00:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/20/13 00:12	1
Styrene	ND		1.0	0.73	ug/L			12/20/13 00:12	1

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

Lab Sample ID: MB 480-158633/8
Matrix: Water
Analysis Batch: 158633

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*103*		*71 - 126*		*12/20/13 00:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*12/20/13 00:12*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/20/13 00:12*	*1*

Lab Sample ID: LCS 480-158633/6
Matrix: Water
Analysis Batch: 158633

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.6		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	24.4		ug/L		97	58 - 121
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 127
Benzene	25.0	24.3		ug/L		97	71 - 124
Chlorobenzene	25.0	24.7		ug/L		99	72 - 120
cis-1,2-Dichloroethene	25.0	25.4		ug/L		101	74 - 124
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
Methyl tert-butyl ether	25.0	24.0		ug/L		96	64 - 127
Tetrachloroethene	25.0	24.4		ug/L		98	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
Trichloroethene	25.0	25.6		ug/L		102	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*102*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*

Lab Sample ID: MB 480-158653/35
Matrix: Solid
Analysis Batch: 158653

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			12/20/13 01:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			12/20/13 01:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			12/20/13 01:53	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			12/20/13 01:53	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			12/20/13 01:53	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			12/20/13 01:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			12/20/13 01:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			12/20/13 01:53	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			12/20/13 01:53	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			12/20/13 01:53	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			12/20/13 01:53	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			12/20/13 01:53	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			12/20/13 01:53	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			12/20/13 01:53	1
2-Hexanone	ND		25	2.5	ug/Kg			12/20/13 01:53	1

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

Lab Sample ID: MB 480-158653/35
Matrix: Solid
Analysis Batch: 158653

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			12/20/13 01:53	1
Acetone	ND		25	4.2	ug/Kg			12/20/13 01:53	1
Benzene	ND		5.0	0.25	ug/Kg			12/20/13 01:53	1
Bromoform	ND		5.0	2.5	ug/Kg			12/20/13 01:53	1
Bromomethane	ND		5.0	0.45	ug/Kg			12/20/13 01:53	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			12/20/13 01:53	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			12/20/13 01:53	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			12/20/13 01:53	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			12/20/13 01:53	1
Chloroethane	ND		5.0	1.1	ug/Kg			12/20/13 01:53	1
Chloroform	ND		5.0	0.31	ug/Kg			12/20/13 01:53	1
Chloromethane	ND		5.0	0.30	ug/Kg			12/20/13 01:53	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			12/20/13 01:53	1
Cyclohexane	ND		5.0	0.70	ug/Kg			12/20/13 01:53	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			12/20/13 01:53	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			12/20/13 01:53	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			12/20/13 01:53	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			12/20/13 01:53	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			12/20/13 01:53	1
Methyl acetate	ND		5.0	0.93	ug/Kg			12/20/13 01:53	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			12/20/13 01:53	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			12/20/13 01:53	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			12/20/13 01:53	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			12/20/13 01:53	1
Toluene	ND		5.0	0.38	ug/Kg			12/20/13 01:53	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			12/20/13 01:53	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			12/20/13 01:53	1
Trichloroethene	ND		5.0	1.1	ug/Kg			12/20/13 01:53	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			12/20/13 01:53	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			12/20/13 01:53	1
Xylenes, Total	ND		10	0.84	ug/Kg			12/20/13 01:53	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			12/20/13 01:53	1
Styrene	ND		5.0	0.25	ug/Kg			12/20/13 01:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*71 - 125*		*12/20/13 01:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*		*12/20/13 01:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*		*12/20/13 01:53*	*1*

Lab Sample ID: LCS 480-158653/4
Matrix: Solid
Analysis Batch: 158653

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	50.1		ug/Kg		100	73 - 126
1,1-Dichloroethene	50.0	49.2		ug/Kg		98	59 - 125
1,2-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	48.6		ug/Kg		97	77 - 122

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

Lab Sample ID: LCS 480-158653/4
Matrix: Solid
Analysis Batch: 158653

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.0		ug/Kg		100	79 - 127
Chlorobenzene	50.0	49.6		ug/Kg		99	76 - 124
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	81 - 117
Ethylbenzene	50.0	50.6		ug/Kg		101	80 - 120
Methyl tert-butyl ether	50.0	48.5		ug/Kg		97	63 - 125
Tetrachloroethene	50.0	50.6		ug/Kg		101	74 - 122
Toluene	50.0	49.8		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	50.1		ug/Kg		100	78 - 126
Trichloroethene	50.0	50.2		ug/Kg		100	77 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*

Lab Sample ID: MB 480-158745/2-A
Matrix: Solid
Analysis Batch: 158706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	14	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,1,2,2-Tetrachloroethane	ND		50	8.1	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,1,2-Trichloroethane	ND		50	11	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,1-Dichloroethane	ND		50	15	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,1-Dichloroethene	ND		50	17	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,2,4-Trichlorobenzene	ND		50	19	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,2-Dichlorobenzene	ND		50	13	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,2-Dichloroethane	ND		50	20	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,2-Dichloropropane	ND		50	8.1	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,3-Dichlorobenzene	ND		50	13	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
2-Butanone (MEK)	ND		250	150	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
2-Hexanone	ND		250	100	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Acetone	ND		250	210	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Benzene	ND		50	2.4	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Bromoform	ND		50	25	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Bromomethane	ND		50	11	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Carbon disulfide	ND		50	23	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Carbon tetrachloride	ND		50	13	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Chlorobenzene	ND		50	6.6	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Dibromochloromethane	ND		50	24	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Chloroethane	ND		50	10	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Chloroform	ND		50	34	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Chloromethane	ND		50	12	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
cis-1,2-Dichloroethene	ND		50	14	ug/Kg		12/20/13 10:17	12/20/13 11:34	1

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

Lab Sample ID: MB 480-158745/2-A
Matrix: Solid
Analysis Batch: 158706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		50	11	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Bromodichloromethane	ND		50	10	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Dichlorodifluoromethane	ND		50	22	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Ethylbenzene	ND		50	15	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
1,2-Dibromoethane	ND		50	1.9	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Isopropylbenzene	ND		50	7.5	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Methyl acetate	ND		50	24	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Methyl tert-butyl ether	ND		50	19	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Methylcyclohexane	ND		50	23	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Methylene Chloride	21.4	J	50	9.9	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Tetrachloroethene	ND		50	6.7	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Toluene	ND		50	13	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
trans-1,2-Dichloroethene	ND		50	12	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
trans-1,3-Dichloropropene	ND		50	2.4	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Trichloroethene	ND		50	14	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Trichlorofluoromethane	ND		50	23	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Vinyl chloride	ND		50	17	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Xylenes, Total	ND		100	8.4	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg		12/20/13 10:17	12/20/13 11:34	1
Styrene	ND		50	12	ug/Kg		12/20/13 10:17	12/20/13 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*50 - 149*	*12/20/13 10:17*	*12/20/13 11:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*12/20/13 10:17*	*12/20/13 11:34*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*12/20/13 10:17*	*12/20/13 11:34*	*1*

Lab Sample ID: LCS 480-158745/1-A
Matrix: Solid
Analysis Batch: 158706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1250	1190		ug/Kg		96	82 - 138
1,1-Dichloroethene	1250	1210		ug/Kg		97	54 - 144
1,2-Dichlorobenzene	1250	1210		ug/Kg		96	80 - 132
1,2-Dichloroethane	1250	1190		ug/Kg		95	78 - 129
Benzene	1250	1190		ug/Kg		95	75 - 131
Chlorobenzene	1250	1160		ug/Kg		93	80 - 127
cis-1,2-Dichloroethene	1250	1220		ug/Kg		97	79 - 128
Ethylbenzene	1250	1180		ug/Kg		95	78 - 136
Methyl tert-butyl ether	1250	1130		ug/Kg		91	67 - 137
Tetrachloroethene	1250	1200		ug/Kg		96	72 - 141
Toluene	1250	1160		ug/Kg		93	76 - 133
trans-1,2-Dichloroethene	1250	1190		ug/Kg		96	81 - 147
Trichloroethene	1250	1270		ug/Kg		102	77 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*50 - 149*

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

Lab Sample ID: LCS 480-158745/1-A
Matrix: Solid
Analysis Batch: 158706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158745

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*

Lab Sample ID: MB 480-158747/7
Matrix: Water
Analysis Batch: 158747

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/20/13 14:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/20/13 14:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/20/13 14:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/20/13 14:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/20/13 14:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/20/13 14:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/20/13 14:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/20/13 14:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/20/13 14:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/20/13 14:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/20/13 14:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/20/13 14:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/20/13 14:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/20/13 14:03	1
2-Hexanone	ND		5.0	1.2	ug/L			12/20/13 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/20/13 14:03	1
Acetone	ND		10	3.0	ug/L			12/20/13 14:03	1
Benzene	ND		1.0	0.41	ug/L			12/20/13 14:03	1
Bromoform	ND		1.0	0.26	ug/L			12/20/13 14:03	1
Bromomethane	ND		1.0	0.69	ug/L			12/20/13 14:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/20/13 14:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/20/13 14:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/20/13 14:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/20/13 14:03	1
Chloroethane	ND		1.0	0.32	ug/L			12/20/13 14:03	1
Chloroform	ND		1.0	0.34	ug/L			12/20/13 14:03	1
Chloromethane	ND		1.0	0.35	ug/L			12/20/13 14:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/20/13 14:03	1
Cyclohexane	ND		1.0	0.18	ug/L			12/20/13 14:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/20/13 14:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/20/13 14:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/20/13 14:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/20/13 14:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/20/13 14:03	1
Methyl acetate	ND		1.0	0.50	ug/L			12/20/13 14:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/20/13 14:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/20/13 14:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/20/13 14:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/20/13 14:03	1
Toluene	ND		1.0	0.51	ug/L			12/20/13 14:03	1

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

Lab Sample ID: MB 480-158747/7
Matrix: Water
Analysis Batch: 158747

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/20/13 14:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/20/13 14:03	1
Trichloroethene	ND		1.0	0.46	ug/L			12/20/13 14:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/20/13 14:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/20/13 14:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/20/13 14:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/20/13 14:03	1
Styrene	ND		1.0	0.73	ug/L			12/20/13 14:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/20/13 14:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*12/20/13 14:03*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/20/13 14:03*	*1*

Lab Sample ID: LCS 480-158747/8
Matrix: Water
Analysis Batch: 158747

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.2		ug/L		97	71 - 129
1,1-Dichloroethene	25.0	24.4		ug/L		98	58 - 121
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	23.1		ug/L		92	75 - 127
Benzene	25.0	24.3		ug/L		97	71 - 124
Chlorobenzene	25.0	23.6		ug/L		95	72 - 120
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
Methyl tert-butyl ether	25.0	24.5		ug/L		98	64 - 127
Tetrachloroethene	25.0	24.1		ug/L		96	74 - 122
Toluene	25.0	23.6		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
Trichloroethene	25.0	24.5		ug/L		98	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 240-114801/1-A
Matrix: Solid
Analysis Batch: 114815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5000	1700	ug/Kg		12/23/13 11:02	12/23/13 16:30	1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 240-114801/1-A
Matrix: Solid
Analysis Batch: 114815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114801

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	*103*		*29 - 160*	*12/23/13 11:02*	*12/23/13 16:30*	*1*

Lab Sample ID: LCS 240-114801/2-A
Matrix: Solid
Analysis Batch: 114815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114801

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]			40000	39200		ug/Kg		98	62 - 132		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	*123*		*29 - 160*

Lab Sample ID: MB 240-115054/5
Matrix: Water
Analysis Batch: 115054

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			12/26/13 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	*96*		*40 - 133*		*12/26/13 12:04*	*1*

Lab Sample ID: LCS 240-115054/6
Matrix: Water
Analysis Batch: 115054

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]			800	741		ug/L		93	67 - 132		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	*102*		*40 - 133*

Method: 8015D - Diesel Range Orgnics (DRO) (GC)

Lab Sample ID: MB 240-114753/11-A
Matrix: Solid
Analysis Batch: 114830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		17	9.3	mg/Kg		12/23/13 08:02	12/23/13 16:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*67*		*40 - 160*	*12/23/13 08:02*	*12/23/13 16:31*	*1*

Method: 8015D - Diesel Range Orgnics (DRO) (GC) (Continued)

Lab Sample ID: LCS 240-114753/12-A
Matrix: Solid
Analysis Batch: 114830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	83.3	65.6		mg/Kg		79	52 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*85*		*40 - 160*

Lab Sample ID: MB 240-114773/8-A
Matrix: Water
Analysis Batch: 114858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		500	240	ug/L		12/23/13 09:07	12/23/13 20:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*			*12/23/13 09:07*	*12/23/13 20:14*	*1*

Lab Sample ID: LCS 240-114773/9-A
Matrix: Water
Analysis Batch: 114858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	2000	1640		ug/L		82	

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*84*		

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 240-114781/1-A
Matrix: Solid
Analysis Batch: 114822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.112	J	20.0	0.071	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Cadmium	ND		0.50	0.036	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Silver	ND		1.0	0.10	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Arsenic	ND		1.5	0.30	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Chromium	ND		1.0	0.20	mg/Kg		12/23/13 10:03	12/23/13 17:32	1
Selenium	ND		2.0	0.45	mg/Kg		12/23/13 10:03	12/23/13 17:32	1

Lab Sample ID: MB 240-114781/1-A
Matrix: Solid
Analysis Batch: 115006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.19	mg/Kg		12/23/13 10:03	12/24/13 12:25	1

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

Lab Sample ID: LCS 240-114781/2-A
Matrix: Solid
Analysis Batch: 114822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	200	189.7		mg/Kg		95	80 - 120
Cadmium	5.00	4.89		mg/Kg		98	80 - 120
Silver	5.00	4.82		mg/Kg		96	80 - 120
Arsenic	200	199.2		mg/Kg		100	80 - 120
Chromium	20.0	19.33		mg/Kg		97	80 - 120
Selenium	200	198.6		mg/Kg		99	80 - 120

Lab Sample ID: LCS 240-114781/2-A
Matrix: Solid
Analysis Batch: 115006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	48.15		mg/Kg		96	80 - 120

Lab Sample ID: MB 240-114746/1-A
Matrix: Water
Analysis Batch: 115006

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 114746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	1.13	J	200	0.67	ug/L		12/23/13 07:51	12/24/13 14:01	1
Cadmium	ND		5.0	0.66	ug/L		12/23/13 07:51	12/24/13 14:01	1
Silver	ND		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:01	1
Arsenic	ND		15.0	3.2	ug/L		12/23/13 07:51	12/24/13 14:01	1
Chromium	ND		10.0	2.2	ug/L		12/23/13 07:51	12/24/13 14:01	1
Lead	ND		10.0	1.9	ug/L		12/23/13 07:51	12/24/13 14:01	1
Selenium	ND		20.0	4.1	ug/L		12/23/13 07:51	12/24/13 14:01	1

Lab Sample ID: LCS 240-114746/2-A
Matrix: Water
Analysis Batch: 115006

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 114746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	1928		ug/L		96	80 - 120
Cadmium	50.0	48.24		ug/L		96	80 - 120
Silver	50.0	48.48		ug/L		97	80 - 120
Arsenic	2000	1988		ug/L		99	80 - 120
Chromium	200	192.2		ug/L		96	80 - 120
Lead	500	495.7		ug/L		99	80 - 120
Selenium	2000	1939		ug/L		97	80 - 120

Lab Sample ID: 480-52296-9 MS
Matrix: Water
Analysis Batch: 115006

Client Sample ID: B-2
Prep Type: Total Recoverable
Prep Batch: 114746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	223	B	2000	2162		ug/L		97	75 - 125
Cadmium	ND		50.0	50.37		ug/L		101	75 - 125
Silver	ND		50.0	50.89		ug/L		102	75 - 125
Arsenic	3.5	J	2000	2058		ug/L		103	75 - 125

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

Lab Sample ID: 480-52296-9 MS — **Client Sample ID: B-2**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 115006 — **Prep Batch: 114746**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	12.7		200	202.2		ug/L		95	75 - 125
Lead	85.5		500	591.4		ug/L		101	75 - 125
Selenium	ND		2000	1981		ug/L		99	75 - 125

Lab Sample ID: 480-52296-9 MSD — **Client Sample ID: B-2**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 115006 — **Prep Batch: 114746**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	223	B	2000	2133		ug/L		95	75 - 125	1	20
Cadmium	ND		50.0	49.46		ug/L		99	75 - 125	2	20
Silver	ND		50.0	49.64		ug/L		99	75 - 125	2	20
Arsenic	3.5	J	2000	2030		ug/L		101	75 - 125	1	20
Chromium	12.7		200	198.4		ug/L		93	75 - 125	2	20
Lead	85.5		500	583.0		ug/L		100	75 - 125	1	20
Selenium	ND		2000	1968		ug/L		98	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-114752/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114993 — **Prep Batch: 114752**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.12	ug/L		12/23/13 11:40	12/24/13 11:32	1

Lab Sample ID: LCS 240-114752/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114993 — **Prep Batch: 114752**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.23		ug/L		105	81 - 123

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 240-114791/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114971 — **Prep Batch: 114791**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.10	0.015	mg/Kg		12/23/13 14:25	12/24/13 09:58	1

Lab Sample ID: LCS 240-114791/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114971 — **Prep Batch: 114791**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.833	0.828		mg/Kg		99	80 - 120

GC/MS VOA

Analysis Batch: 158633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-1	B-8	Total/NA	Water	8260C	
480-52296-2	B-9	Total/NA	Water	8260C	
480-52296-6	B-3	Total/NA	Water	8260C	
480-52296-9	B-2	Total/NA	Water	8260C	
480-52296-10	B-1	Total/NA	Water	8260C	
LCS 480-158633/6	Lab Control Sample	Total/NA	Water	8260C	
MB 480-158633/8	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 158653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-3	B-8, 8-10'	Total/NA	Solid	8260C	158660
480-52296-4	B-9, 4-8'	Total/NA	Solid	8260C	158660
480-52296-5	B-3, 10-12'	Total/NA	Solid	8260C	158660
480-52296-7	B-4, 4-8'	Total/NA	Solid	8260C	158660
LCS 480-158653/4	Lab Control Sample	Total/NA	Solid	8260C	
MB 480-158653/35	Method Blank	Total/NA	Solid	8260C	

Prep Batch: 158660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-3	B-8, 8-10'	Total/NA	Solid	5035A	
480-52296-4	B-9, 4-8'	Total/NA	Solid	5035A	
480-52296-5	B-3, 10-12'	Total/NA	Solid	5035A	
480-52296-7	B-4, 4-8'	Total/NA	Solid	5035A	

Analysis Batch: 158706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5 - DL	B-3, 10-12'	Total/NA	Solid	8260C	158745
LCS 480-158745/1-A	Lab Control Sample	Total/NA	Solid	8260C	158745
MB 480-158745/2-A	Method Blank	Total/NA	Solid	8260C	158745

Prep Batch: 158745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5 - DL	B-3, 10-12'	Total/NA	Solid	5035A	
LCS 480-158745/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-158745/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 158747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-6 - DL	B-3	Total/NA	Water	8260C	
480-52296-8	B-4	Total/NA	Water	8260C	
LCS 480-158747/8	Lab Control Sample	Total/NA	Water	8260C	
MB 480-158747/7	Method Blank	Total/NA	Water	8260C	

GC VOA

Prep Batch: 114801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	5030B	
480-52296-7	B-4, 4-8'	Total/NA	Solid	5030B	
LCS 240-114801/2-A	Lab Control Sample	Total/NA	Solid	5030B	

GC VOA (Continued)

Prep Batch: 114801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-114801/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 114815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	8015B	114801
480-52296-7	B-4, 4-8'	Total/NA	Solid	8015B	114801
LCS 240-114801/2-A	Lab Control Sample	Total/NA	Solid	8015B	114801
MB 240-114801/1-A	Method Blank	Total/NA	Solid	8015B	114801

Analysis Batch: 115054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-6	B-3	Total/NA	Water	8015B	
480-52296-8	B-4	Total/NA	Water	8015B	
480-52296-9	B-2	Total/NA	Water	8015B	
480-52296-10	B-1	Total/NA	Water	8015B	
LCS 240-115054/6	Lab Control Sample	Total/NA	Water	8015B	
MB 240-115054/5	Method Blank	Total/NA	Water	8015B	

GC Semi VOA

Prep Batch: 114753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	3550C	
480-52296-7	B-4, 4-8'	Total/NA	Solid	3550C	
LCS 240-114753/12-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 240-114753/11-A	Method Blank	Total/NA	Solid	3550C	

Prep Batch: 114773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-6	B-3	Total/NA	Water	3510C	
480-52296-8	B-4	Total/NA	Water	3510C	
480-52296-9	B-2	Total/NA	Water	3510C	
480-52296-10	B-1	Total/NA	Water	3510C	
LCS 240-114773/9-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-114773/8-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 114830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	8015D	114753
480-52296-7	B-4, 4-8'	Total/NA	Solid	8015D	114753
LCS 240-114753/12-A	Lab Control Sample	Total/NA	Solid	8015D	114753
MB 240-114753/11-A	Method Blank	Total/NA	Solid	8015D	114753

Analysis Batch: 114858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-6	B-3	Total/NA	Water	8015D	114773
480-52296-8	B-4	Total/NA	Water	8015D	114773
480-52296-9	B-2	Total/NA	Water	8015D	114773
480-52296-10	B-1	Total/NA	Water	8015D	114773
LCS 240-114773/9-A	Lab Control Sample	Total/NA	Water	8015D	114773

GC Semi VOA (Continued)

Analysis Batch: 114858 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-114773/8-A	Method Blank	Total/NA	Water	8015D	114773

Metals

Prep Batch: 114746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-6	B-3	Total Recoverable	Water	3005A	
480-52296-8	B-4	Total Recoverable	Water	3005A	
480-52296-9	B-2	Total Recoverable	Water	3005A	
480-52296-9 MS	B-2	Total Recoverable	Water	3005A	
480-52296-9 MSD	B-2	Total Recoverable	Water	3005A	
480-52296-10	B-1	Total Recoverable	Water	3005A	
LCS 240-114746/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-114746/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 114752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-6	B-3	Total/NA	Water	7470A	
480-52296-8	B-4	Total/NA	Water	7470A	
480-52296-9	B-2	Total/NA	Water	7470A	
480-52296-10	B-1	Total/NA	Water	7470A	
LCS 240-114752/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-114752/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 114781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	3050B	
480-52296-7	B-4, 4-8'	Total/NA	Solid	3050B	
LCS 240-114781/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-114781/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 114791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	7471B	
480-52296-7	B-4, 4-8'	Total/NA	Solid	7471B	
LCS 240-114791/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 240-114791/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 114822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	6010C	114781
480-52296-7	B-4, 4-8'	Total/NA	Solid	6010C	114781
LCS 240-114781/2-A	Lab Control Sample	Total/NA	Solid	6010C	114781
MB 240-114781/1-A	Method Blank	Total/NA	Solid	6010C	114781

Analysis Batch: 114971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	7471B	114791
480-52296-7	B-4, 4-8'	Total/NA	Solid	7471B	114791
LCS 240-114791/2-A	Lab Control Sample	Total/NA	Solid	7471B	114791

Metals (Continued)

Analysis Batch: 114971 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-114791/1-A	Method Blank	Total/NA	Solid	7471B	114791

Analysis Batch: 114993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-6	B-3	Total/NA	Water	7470A	114752
480-52296-8	B-4	Total/NA	Water	7470A	114752
480-52296-9	B-2	Total/NA	Water	7470A	114752
480-52296-10	B-1	Total/NA	Water	7470A	114752
LCS 240-114752/2-A	Lab Control Sample	Total/NA	Water	7470A	114752
MB 240-114752/1-A	Method Blank	Total/NA	Water	7470A	114752

Analysis Batch: 115006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	6010C	114781
480-52296-6	B-3	Total Recoverable	Water	6010C	114746
480-52296-7	B-4, 4-8'	Total/NA	Solid	6010C	114781
480-52296-8	B-4	Total Recoverable	Water	6010C	114746
480-52296-9	B-2	Total Recoverable	Water	6010C	114746
480-52296-9 MS	B-2	Total Recoverable	Water	6010C	114746
480-52296-9 MSD	B-2	Total Recoverable	Water	6010C	114746
480-52296-10	B-1	Total Recoverable	Water	6010C	114746
LCS 240-114746/2-A	Lab Control Sample	Total Recoverable	Water	6010C	114746
LCS 240-114781/2-A	Lab Control Sample	Total/NA	Solid	6010C	114781
MB 240-114746/1-A	Method Blank	Total Recoverable	Water	6010C	114746
MB 240-114781/1-A	Method Blank	Total/NA	Solid	6010C	114781

General Chemistry

Analysis Batch: 158648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-52296-5	B-3, 10-12'	Total/NA	Solid	Moisture	
480-52296-7	B-4, 4-8'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-8
Lab Sample ID: 480-52296-1
Date Collected: 12/19/13 10:15
Matrix: Water
Date Received: 12/19/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	158633	12/20/13 06:52	NQN	TAL BUF

Client Sample ID: B-9
Lab Sample ID: 480-52296-2
Date Collected: 12/19/13 09:00
Matrix: Water
Date Received: 12/19/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	158633	12/20/13 07:14	NQN	TAL BUF

Client Sample ID: B-8, 8-10'
Lab Sample ID: 480-52296-3
Date Collected: 12/19/13 10:20
Matrix: Solid
Date Received: 12/19/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158660	12/20/13 00:36	CDC	TAL BUF
Total/NA	Analysis	8260C		1	158653	12/20/13 06:38	PJQ	TAL BUF

Client Sample ID: B-9, 4-8'
Lab Sample ID: 480-52296-4
Date Collected: 12/19/13 08:45
Matrix: Solid
Date Received: 12/19/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158660	12/20/13 00:36	CDC	TAL BUF
Total/NA	Analysis	8260C		1	158653	12/20/13 07:03	PJQ	TAL BUF

Client Sample ID: B-3, 10-12'
Lab Sample ID: 480-52296-5
Date Collected: 12/19/13 11:25
Matrix: Solid
Date Received: 12/19/13 15:00
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158660	12/20/13 00:36	CDC	TAL BUF
Total/NA	Analysis	8260C		1	158653	12/20/13 07:29	PJQ	TAL BUF
Total/NA	Prep	5035A	DL		158745	12/20/13 10:17	NQN	TAL BUF
Total/NA	Analysis	8260C	DL	1	158706	12/20/13 13:55	NMD1	TAL BUF
Total/NA	Prep	5030B			114801	12/23/13 11:02	BPM	TAL CAN
Total/NA	Analysis	8015B		1	114815	12/23/13 23:02	BPM	TAL CAN
Total/NA	Prep	3550C			114753	12/23/13 08:02	CSC	TAL CAN
Total/NA	Analysis	8015D		1	114830	12/23/13 22:00	DEB	TAL CAN
Total/NA	Prep	3050B			114781	12/23/13 10:03	DEE	TAL CAN
Total/NA	Analysis	6010C		1	114822	12/23/13 18:31	RKT	TAL CAN
Total/NA	Prep	7471B			114791	12/23/13 14:25	DEE	TAL CAN
Total/NA	Analysis	7471B		1	114971	12/24/13 10:18	AMM2	TAL CAN

Client Sample ID: B-3, 10-12'

Lab Sample ID: 480-52296-5

Date Collected: 12/19/13 11:25

Matrix: Solid

Date Received: 12/19/13 15:00

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	115006	12/24/13 13:23	RKT	TAL CAN
Total/NA	Analysis	Moisture		1	158648	12/19/13 22:14	GTG	TAL BUF

Client Sample ID: B-3

Lab Sample ID: 480-52296-6

Date Collected: 12/19/13 11:45

Matrix: Water

Date Received: 12/19/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	158633	12/20/13 07:35	NQN	TAL BUF
Total/NA	Analysis	8260C	DL	40	158747	12/20/13 14:55	NMD1	TAL BUF
Total/NA	Analysis	8015B		1	115054	12/26/13 16:15	BPM	TAL CAN
Total/NA	Prep	3510C			114773	12/23/13 09:07	AKC	TAL CAN
Total/NA	Analysis	8015D		1	114858	12/23/13 21:57	DEB	TAL CAN
Total/NA	Prep	7470A			114752	12/23/13 11:40	LPM	TAL CAN
Total/NA	Analysis	7470A		5	114993	12/24/13 11:52	AMM2	TAL CAN
Total Recoverable	Prep	3005A			114746	12/23/13 07:51	LPM	TAL CAN
Total Recoverable	Analysis	6010C		1	115006	12/24/13 14:47	RKT	TAL CAN

Client Sample ID: B-4, 4-8'

Lab Sample ID: 480-52296-7

Date Collected: 12/19/13 12:30

Matrix: Solid

Date Received: 12/19/13 15:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			158660	12/20/13 00:36	CDC	TAL BUF
Total/NA	Analysis	8260C		1	158653	12/20/13 07:55	PJQ	TAL BUF
Total/NA	Prep	5030B			114801	12/23/13 11:02	BPM	TAL CAN
Total/NA	Analysis	8015B		1	114815	12/23/13 23:37	BPM	TAL CAN
Total/NA	Prep	3550C			114753	12/23/13 08:02	CSC	TAL CAN
Total/NA	Analysis	8015D		1	114830	12/23/13 22:30	DEB	TAL CAN
Total/NA	Analysis	6010C		1	114822	12/23/13 18:35	RKT	TAL CAN
Total/NA	Prep	7471B			114791	12/23/13 14:25	DEE	TAL CAN
Total/NA	Analysis	7471B		1	114971	12/24/13 10:20	AMM2	TAL CAN
Total/NA	Prep	3050B			114781	12/23/13 10:03	DEE	TAL CAN
Total/NA	Analysis	6010C		1	115006	12/24/13 13:27	RKT	TAL CAN
Total/NA	Analysis	Moisture		1	158648	12/19/13 22:14	GTG	TAL BUF

Client Sample ID: B-4

Lab Sample ID: 480-52296-8

Date Collected: 12/19/13 13:00

Matrix: Water

Date Received: 12/19/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	158747	12/20/13 15:16	NMD1	TAL BUF

Lab Chronicle

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Client Sample ID: B-4

Lab Sample ID: 480-52296-8

Date Collected: 12/19/13 13:00
Matrix: Water
Date Received: 12/19/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015B		1	115054	12/26/13 16:51	BPM	TAL CAN
Total/NA	Prep	3510C			114773	12/23/13 09:07	AKC	TAL CAN
Total/NA	Analysis	8015D		1	114858	12/23/13 22:17	DEB	TAL CAN
Total/NA	Prep	7470A			114752	12/23/13 11:40	LPM	TAL CAN
Total/NA	Analysis	7470A		1	114993	12/24/13 11:56	AMM2	TAL CAN
Total Recoverable	Prep	3005A			114746	12/23/13 07:51	LPM	TAL CAN
Total Recoverable	Analysis	6010C		1	115006	12/24/13 14:52	RKT	TAL CAN

Client Sample ID: B-2

Lab Sample ID: 480-52296-9

Date Collected: 12/19/13 13:30
Matrix: Water
Date Received: 12/19/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	158633	12/20/13 08:18	NQN	TAL BUF
Total/NA	Analysis	8015B		1	115054	12/26/13 17:27	BPM	TAL CAN
Total/NA	Prep	3510C			114773	12/23/13 09:07	AKC	TAL CAN
Total/NA	Analysis	8015D		1	114858	12/23/13 22:38	DEB	TAL CAN
Total/NA	Prep	7470A			114752	12/23/13 11:40	LPM	TAL CAN
Total/NA	Analysis	7470A		1	114993	12/24/13 11:58	AMM2	TAL CAN
Total Recoverable	Prep	3005A			114746	12/23/13 07:51	LPM	TAL CAN
Total Recoverable	Analysis	6010C		1	115006	12/24/13 14:08	RKT	TAL CAN

Client Sample ID: B-1

Lab Sample ID: 480-52296-10

Date Collected: 12/19/13 13:50
Matrix: Water
Date Received: 12/19/13 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	158633	12/20/13 08:39	NQN	TAL BUF
Total/NA	Analysis	8015B		1	115054	12/26/13 18:39	BPM	TAL CAN
Total/NA	Prep	3510C			114773	12/23/13 09:07	AKC	TAL CAN
Total/NA	Analysis	8015D		1	114858	12/23/13 22:58	DEB	TAL CAN
Total/NA	Prep	7470A			114752	12/23/13 11:40	LPM	TAL CAN
Total/NA	Analysis	7470A		1	114993	12/24/13 12:00	AMM2	TAL CAN
Total Recoverable	Prep	3005A			114746	12/23/13 07:51	LPM	TAL CAN
Total Recoverable	Analysis	6010C		1	115006	12/24/13 14:56	RKT	TAL CAN

Laboratory References:

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

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13 *
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13 *
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13 *
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13 *
Wisconsin	State Program	5	998310390	08-31-14

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13 *
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	01-31-14 *
Kentucky (UST)	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14 *

* Expired certification is currently pending renewal and is considered valid.

Laboratory: TestAmerica Canton (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-14 *
West Virginia DEP	State Program	3	210	01-31-14 *
Wisconsin	State Program	5	999518190	08-31-14

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8015B	Gasoline Range Organics - (GC)	SW846	TAL CAN
8015D	Diesel Range Orgnics (DRO) (GC)	SW846	TAL CAN
6010C	Metals (ICP)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: AEI Consultants
Project/Site: Rite Aid

TestAmerica Job ID: 480-52296-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-52296-1	B-8	Water	12/19/13 10:15	12/19/13 15:00
480-52296-2	B-9	Water	12/19/13 09:00	12/19/13 15:00
480-52296-3	B-8, 8-10'	Solid	12/19/13 10:20	12/19/13 15:00
480-52296-4	B-9, 4-8'	Solid	12/19/13 08:45	12/19/13 15:00
480-52296-5	B-3, 10-12'	Solid	12/19/13 11:25	12/19/13 15:00
480-52296-6	B-3	Water	12/19/13 11:45	12/19/13 15:00
480-52296-7	B-4, 4-8'	Solid	12/19/13 12:30	12/19/13 15:00
480-52296-8	B-4	Water	12/19/13 13:00	12/19/13 15:00
480-52296-9	B-2	Water	12/19/13 13:30	12/19/13 15:00
480-52296-10	B-1	Water	12/19/13 13:50	12/19/13 15:00

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
AEI - Job # 326182	Gene Belli	12/19/13	263428
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
20 Gibson Place	732-414-2420		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Freehold / NJ / 07731	C. Bablin		
Project Name and Location (State)	**Carrier/Waybill Number**		
Rite Aid, Buffalo NY			
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

* 8998

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	CH_3OH	8260	GRO	DRO	8 RCRA me											
B-8	12/19/13	10:15A		X						3				✓														
B-9		9:00A		X						3				✓														
B-8 8-10'		10:20A				X							3	✓														
B-9, 4-8'		8:45A											3	✓														
B-3 10-12'		11:25A				X	2						3	✓	✓	✓	✓											
B-3		11:45A		X			2		1	6				✓	✓	✓	✓											
B-4, 4-8'		12:30P				X	2						3	✓	✓	✓	✓											
B-4		1:00P		X			1		1	4				✓	✓	✓	✓											
B-2		1:30P		X			1		1	5				✓	✓	✓	✓											
B-1		1:50P		X			2		1	6				✓	✓	✓	✓											

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	C. Bablin	12/19/13	3:00P	TA BUFFALO	12/19/13	15:00
2.						
3.						

Comments

#1 5.1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

12/27/2013

Login Sample Receipt Checklist

Client: AEI Consultants

Job Number: 480-52296-1

Login Number: 52296

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	aei
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

VOC Vapor Investigation
Leader Professional Services, Inc.

Leader Professional Services, Inc.
271 Marsh Road, Suite 2
Pittsford, New York 14534

(585) 248-2413
(585) 248-2834 (Fax)
www.leaderlink.com

637.002

May 6, 2014

Ms. Loren Aloi
Manager, Construction Services
Rite Aid Corporation
30 Hunter Lane
Camp Hill, Pennsylvania 17011
Email: Loren.Aloi@riteaid.com

Re: VOC Vapor Investigation
350 Niagara Street, Buffalo, New York

Dear Ms. Aloi:

On April 13 and 14, 2014 Leader Professional Services, Inc. ("Leader") completed the vapor sampling at the Rite Aid store located at 350 Niagara Street in the City of Buffalo, New York. Based on information found in the Limited Phase II Subsurface Investigation by AEI Consultants ("AEI") for Bluejay Management LLC, the site's soil and groundwater have been impacted by the site's historical use. During the Phase II investigation, Trichloroethane ("TCE"), Perchloroethane ("PCE" also known as Tetrachloroethane,) Benzene, Toluene, Ethylbenzene, Xylene ("BTEX") were found.

The sampling conducted by Leader was completed to assess soil vapor intrusion as a possible pathway of exposure to these chemicals. The samples were submitted to Alpha Analytical Laboratories, a New York State Department of Health Certified Laboratory for analysis using United States Environmental Protection Agency ("USEPA") Method TO-15 for volatile organic compounds ("VOCs").

The sample analysis found sixteen compounds at levels ranging from 0.649 to 494 micrograms per cubic meter ($\mu g/m^3$). These compounds compare favorably to the compounds found by AEI during their soil and groundwater investigation in January 2014. Table 1 provides a summary of the VOCs found in the samples. PCE and TCE were not found in the store's indoor air, however, both VOCs were found in the sub-slab samples. Benzene was found in both sub-slab samples and the indoor air sample. All three VOCs were found at concentrations that are below the New York State Department of Health ("NYSDOH") and USEPA's guidance values for indoor air related to vapor intrusion.

Scope of Work

Leader collected two sub-slab samples and one indoor air sample within the Rite Aid Store at the locations shown on Figure 1. The two sub-slab sample locations were drilled through a 5 to 6-inch thick concrete slab and into the materials below the concrete slab. The hole was started with

a 5/8 inch diameter bit to a point approximately 2 inches below the floor surface, then a 3/8-inch bit was used to complete the hole. Concrete dust was vacuumed from the holes prior to placing 1/4 inch diameter, drinking water grade, PVC tubing into the hole. The tubing was placed near the bottom of the hole, while the hole was filled with clean sand to the point where the 3/8-inch diameter hole began. The remainder of the hole was filled with hydrated Bentonite clay to the top of the floor.

After completion of the sampling point, an organic vapor analyzer using a photoionization detector ("PID") was used to measure any VOCs in the tubing and hole. The PID was used to measure VOCs but also to flush the hole out of any residual dust and ambient air. Following this procedure, the sample area was sealed by taping a piece of plastic to the floor with only the sample tubing protruding through the plastic. A second tube was inserted through the plastic and connected to a canister of 100 parts per million Isobutylene gas (a non-flammable gas) and air. While the surface of the sample location was flooded with gas, the PID measured any VOCs from the sampling tube. This was done to test the clay seal as a barrier to the ambient air.

Each sub-slab and indoor air sample was collected over an eight hour period in stainless steel Summa Canisters. The Summa Canisters vacuum pressure was recorded before and after sampling was completed, along with the sample time.

Results

Table 1 shows a summary of the VOCs found and Attachment 1 provides a complete laboratory report. Dichlorodifluoromethane, ethanol, and trichlorofluoromethane were found in both sub-slab and indoor air samples. These VOCs were found at concentrations that indicate they are a laboratory contaminant. Ethanol was also found at a much higher concentration in the indoor air sample suggesting it also may be associated with the store's products or uses in the store. Chloromethane and chloroethane were found only in the indoor air sample suggesting these VOCs also are associated with products sold in the store or from the outdoor ambient air.

Of the VOCs found none were found in the indoor air at a concentration that indicates there is a health risk to employees or customers to the store. Table 1 compares the indoor air results to NYSDOH guidance values and to USEPA's guidance values for vapor intrusion scenarios using a cancer risk of 1×10^{-5} or a Target Hazard Index of 1 for non-cancer causing VOCs.

In addition to evaluating health risks with their guidance levels, the NYSDOH provides guidance for further action based on the levels of selected VOCs found in the sub-slab and indoor air samples. In general, NYSDOH's guidance values for TCE and PCE in indoor air are 5 and 100 $\mu g/M^3$, respectively. The NYSDOH presents additional information as a matrix comparing sub-slab concentration ranges to indoor air concentration ranges. TCE guidance levels are provided in "Matrix 1" of the NYSDOH guidance document. For the concentration of TCE found in the sub-slab samples and the indoor air sample, NYSDOH's recommendation is to conduct further monitoring. Matrix 2 provides information for PCE. Based on the concentrations of PCE found at the property, no further action is required.

LEADER

Recommendations

The presence of VOCs in the vapor below the slab will require monitoring until sampling can show that vapor intrusion will not be enhanced by the building's HVAC system or the seasonal weather patterns. It has been Leader's experience that NYSDOH would agree to a plan involving quarterly sampling of the indoor air to confirm vapor intrusion is not a concern. If vapor intrusion does impact the indoor air, mitigation measures may include installing a sub-slab pressure suppression system or increasing the fresh air circulation (make up) in the building.

We appreciate the opportunity to work with you on this project. Please call us at (585) 248-2413 if you have any questions or comments.

Very truly yours,
LEADER PROFESSIONAL SERVICES, INC.

Peter von Schondorf, P.G.
Senior Project Manager

Michael P. Rumrill
President

Enclosure



Indoor Air Sample

Sub-slab Sample

Title: Sub-slab and Indoor Air Sampling Locations 350 Niagara Street Buffalo, New York	Leader Professional Services 271 Marsh Road, Suite 2 Pittsford, NY 14534 (585) 248-2413 FAX (585) 248-2834	Project: 637.002 Date: 5/19/14 Scale: Approx. As shown	Drawn: PVS Checked: MPR File Name: Site Plan	Figure: 1
Prepared For: Rite Aid Corporation 30 Hunter Lane Camp Hill, Pennsylvania				

TABLE 1
Summary of Sample Results
350 Niagara Street
Buffalo, New York

Sample	Sub-slab Sample S-1	Sub-slab Sample S-2	Indoor Air Sample S-3	NYSDOH Indoor Air Guidance	EPA Indoor Air Guidance E-05 Cancer Risk
Sampling Date	4/14/2014	4/14/2014	4/14/2014		
Parameter	ug/m3	ug/m3	ug/m3		
Dichlorodifluoromethane	2.34	2.22	2.29	NV	200
Chloromethane	<0.413	<0.413	1.33	NV	24
Chloroethane	<0.528	<0.528	1.26	NV	1000
Ethanol	57.8	57.1	494	NV	NV
Trichlorofluoromethane	1.44	1.46	1.16	NV	700
Isopropanol	50.4	41.5	28.3	NV	NV
n-Hexane	6.98	35.2	0.786	NV	200
Benzene	1.5	2.78	0.649	NV	3.1
Cyclohexane	3.65	23.9	0.974	NV	3000
Trichloroethene	59.7	<1.07	<1.07	5	0.22
Heptane	7.83	31.8	<0.820	NV	NV
Toluene	1.6	2.61	5.88	NV	400
Tetrachloroethene	4.71	<1.36	<1.36	100	8.1

NV = No Value

ATTACHMENT 1

LABORATORY RESULTS

ANALYTICAL REPORT

Lab Number:	L1407855
Client:	Leader Professional Services, Inc. 271 Marsh Road, Suite 2 Pittsford, NY 14534
ATTN:	Peter Von Schondorf
Phone:	(585) 248-2413
Project Name:	RITE AID BUFFALO
Project Number:	RITE AID BUFFALO
Report Date:	04/21/14

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

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

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

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO

Lab Number: L1407855
Report Date: 04/21/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1407855-01	S-1	350 NIAGARA	04/14/14 07:35
L1407855-02	S-2	350 NIAGARA	04/14/14 07:38
L1407855-03	S-3	350 NIAGARA	04/14/14 07:37

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

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

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

Project Name:	RITE AID BUFFALO	**Lab Number:**	L1407855
Project Number:	RITE AID BUFFALO	**Report Date:**	04/21/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 9, 2014. The canister certification results are provided as an addendum.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 04/21/14

AIR

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407855-01
Client ID: S-1
Sample Location: 350 NIAGARA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/16/14 20:51
Analyst: MR

Date Collected: 04/14/14 07:35
Date Received: 04/14/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.474	0.200	--	2.34	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	30.7	2.50	--	57.8	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.5	1.00	--	27.3	2.38	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
Isopropanol	20.5	0.500	--	50.4	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.95	0.500	--	5.91	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.400	0.200	--	1.59	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.85	0.200	--	5.46	0.590	--		1
cis-1,2-Dichloroethene	0.612	0.200	--	2.43	0.793	--		1
Ethyl Acetate	0.633	0.500	--	2.28	1.80	--		1

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407855-01
Client ID: S-1
Sample Location: 350 NIAGARA
Date Collected: 04/14/14 07:35
Date Received: 04/14/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.07	0.200	--	3.16	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.98	0.200	--	6.98	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.468	0.200	--	1.50	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.06	0.200	--	3.65	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	11.1	0.200	--	59.7	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.91	0.200	--	7.83	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.425	0.200	--	1.60	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.695	0.200	--	4.71	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407855-01
Client ID: S-1
Sample Location: 350 NIAGARA
Date Collected: 04/14/14 07:35
Date Received: 04/14/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	74		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	79		60-140

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407855-02
Client ID: S-2
Sample Location: 350 NIAGARA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/16/14 21:23
Analyst: MR

Date Collected: 04/14/14 07:38
Date Received: 04/14/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.448	0.200	--	2.22	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	30.3	2.50	--	57.1	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.41	1.00	--	20.0	2.38	--		1
Trichlorofluoromethane	0.260	0.200	--	1.46	1.12	--		1
Isopropanol	16.9	0.500	--	41.5	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.18	0.500	--	3.58	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.257	0.200	--	0.800	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.00	0.200	--	5.90	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	0.643	0.500	--	2.32	1.80	--		1

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407855-02
Client ID: S-2
Sample Location: 350 NIAGARA
Date Collected: 04/14/14 07:38
Date Received: 04/14/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.927	0.200	--	2.73	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	9.99	0.200	--	35.2	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.870	0.200	--	2.78	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	6.94	0.200	--	23.9	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	7.77	0.200	--	31.8	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.692	0.200	--	2.61	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407855-02
Client ID: S-2
Sample Location: 350 NIAGARA
Date Collected: 04/14/14 07:38
Date Received: 04/14/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	73		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	75		60-140

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407855-03
Client ID: S-3
Sample Location: 350 NIAGARA
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/16/14 20:19
Analyst: MR

Date Collected: 04/14/14 07:37
Date Received: 04/14/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.464	0.200	--	2.29	0.989	--		1
Chloromethane	0.643	0.200	--	1.33	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.478	0.200	--	1.26	0.528	--		1
Ethanol	262	2.50	--	494	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	36.1	1.00	--	85.8	2.38	--		1
Trichlorofluoromethane	0.206	0.200	--	1.16	1.12	--		1
Isopropanol	11.5	0.500	--	28.3	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.637	0.200	--	1.88	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	7.44	0.500	--	26.8	1.80	--		1

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407855-03
Client ID: S-3
Sample Location: 350 NIAGARA
Date Collected: 04/14/14 07:37
Date Received: 04/14/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	0.298	0.200	--	1.21	0.809	--		1
n-Hexane	0.223	0.200	--	0.786	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.203	0.200	--	0.649	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.283	0.200	--	0.974	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.289	0.200	--	1.18	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.56	0.200	--	5.88	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.273	0.200	--	1.16	0.852	--		1

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

SAMPLE RESULTS

Lab ID: L1407855-03
Client ID: S-3
Sample Location: 350 NIAGARA
Date Collected: 04/14/14 07:37
Date Received: 04/14/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.334	0.200	--	2.01	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	80		60-140

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/16/14 14:34

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG682789-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/16/14 14:34

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG682789-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO
Lab Number: L1407855
Report Date: 04/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/16/14 14:34

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG682789-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: RITE AID BUFFALO

Lab Number: L1407855

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG682789-3								
Chlorodifluoromethane	95		-		70-130	-		
Propylene	115		-		70-130	-		
Propane	83		-		70-130	-		
Dichlorodifluoromethane	88		-		70-130	-		
Chloromethane	98		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100		-		70-130	-		
Methanol	116		-		70-130	-		
Vinyl chloride	101		-		70-130	-		
1,3-Butadiene	108		-		70-130	-		
Butane	104		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	98		-		70-130	-		
Ethyl Alcohol	121		-		70-130	-		
Dichlorofluoromethane	95		-		70-130	-		
Vinyl bromide	93		-		70-130	-		
Acrolein	91		-		70-130	-		
Acetone	105		-		70-130	-		
Acetonitrile	95		-		70-130	-		
Trichlorofluoromethane	99		-		70-130	-		
iso-Propyl Alcohol	115		-		70-130	-		
Acrylonitrile	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: RITE AID BUFFALO

Lab Number: L1407855

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG682789-3								
Pentane	86		-		70-130	-		
Ethyl ether	106		-		70-130	-		
1,1-Dichloroethene	98		-		70-130	-		
tert-Butyl Alcohol	85		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	111		-		70-130	-		
Carbon disulfide	95		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		-		70-130	-		
trans-1,2-Dichloroethene	87		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
Vinyl acetate	95		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	102		-		70-130	-		
Ethyl Acetate	101		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	93		-		70-130	-		
2,2-Dichloropropane	83		-		70-130	-		
1,2-Dichloroethane	91		-		70-130	-		
n-Hexane	108		-		70-130	-		
Isopropyl Ether	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: RITE AID BUFFALO

Lab Number: L1407855

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG682789-3								
Ethyl-Tert-Butyl-Ether	94		-		70-130	-		
1,1,1-Trichloroethane	107		-		70-130	-		
1,1-Dichloropropene	102		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	108		-		70-130	-		
Cyclohexane	105		-		70-130	-		
Tertiary-Amyl Methyl Ether	95		-		70-130	-		
Dibromomethane	102		-		70-130	-		
1,2-Dichloropropane	105		-		70-130	-		
Bromodichloromethane	110		-		70-130	-		
1,4-Dioxane	94		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	110		-		70-130	-		
Methyl methacrylate	111		-		70-130	-		
Heptane	113		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	113		-		70-130	-		
trans-1,3-Dichloropropene	91		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	79		-		70-130	-		
1,3-Dichloropropane	78		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: RITE AID BUFFALO

Lab Number: L1407855

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG682789-3								
2-Hexanone	97		-		70-130	-		
Dibromochloromethane	82		-		70-130	-		
1,2-Dibromoethane	83		-		70-130	-		
Butyl Acetate	82		-		70-130	-		
Octane	75		-		70-130	-		
Tetrachloroethene	79		-		70-130	-		
1,1,1,2-Tetrachloroethane	77		-		70-130	-		
Chlorobenzene	82		-		70-130	-		
Ethylbenzene	81		-		70-130	-		
p/m-Xylene	82		-		70-130	-		
Bromoform	75		-		70-130	-		
Styrene	81		-		70-130	-		
1,1,2,2-Tetrachloroethane	87		-		70-130	-		
o-Xylene	86		-		70-130	-		
1,2,3-Trichloropropane	84		-		70-130	-		
Nonane (C9)	90		-		70-130	-		
Isopropylbenzene	84		-		70-130	-		
Bromobenzene	83		-		70-130	-		
o-Chlorotoluene	81		-		70-130	-		
n-Propylbenzene	83		-		70-130	-		
p-Chlorotoluene	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: RITE AID BUFFALO

Lab Number: L1407855

Report Date: 04/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG682789-3								
4-Ethyltoluene	81		-		70-130	-		
1,3,5-Trimethylbenzene	85		-		70-130	-		
tert-Butylbenzene	86		-		70-130	-		
1,2,4-Trimethylbenzene	89		-		70-130	-		
Decane (C10)	91		-		70-130	-		
Benzyl chloride	74		-		70-130	-		
1,3-Dichlorobenzene	90		-		70-130	-		
1,4-Dichlorobenzene	90		-		70-130	-		
sec-Butylbenzene	88		-		70-130	-		
p-Isopropyltoluene	81		-		70-130	-		
1,2-Dichlorobenzene	90		-		70-130	-		
n-Butylbenzene	95		-		70-130	-		
1,2-Dibromo-3-chloropropane	80		-		70-130	-		
Undecane	106		-		70-130	-		
Dodecane (C12)	**136**	Q	-		70-130	-		
1,2,4-Trichlorobenzene	101		-		70-130	-		
Naphthalene	100		-		70-130	-		
1,2,3-Trichlorobenzene	105		-		70-130	-		
Hexachlorobutadiene	112		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO

Lab Number: L1407855
Report Date: 04/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG682789-5 QC Sample: L1407829-03 Client ID: DUP Sample						
Dichlorodifluoromethane	0.462	0.512	ppbV	10		25
Chloromethane	0.538	0.568	ppbV	5		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	12.1	13.2	ppbV	9		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	3.47	3.63	ppbV	5		25
Trichlorofluoromethane	0.217	0.215	ppbV	1		25
iso-Propyl Alcohol	0.794	0.824	ppbV	4		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	3.57	3.53	ppbV	1		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO

Lab Number: L1407855
Report Date: 04/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG682789-5 QC Sample: L1407829-03 Client ID: DUP Sample					
2-Butanone	0.296	0.271	ppbV	9	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.430	0.383	ppbV	12	25
Benzene	0.224	0.203	ppbV	10	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.258	0.294	ppbV	13	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO

Lab Number: L1407855
Report Date: 04/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG682789-5 QC Sample: L1407829-03 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: RITE AID BUFFALO

Lab Number: L1407855

Project Number: RITE AID BUFFALO

Report Date: 04/21/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1407855-01	S-1	0248	#16 AMB	04/10/14	101092		-	-	-	Pass	4.4	4.2	5
L1407855-01	S-1	549	2.7L Can	04/10/14	101092	L1407023-01	Pass	-28.3	-1.0	-	-	-	-
L1407855-02	S-2	0380	#16 AMB	04/10/14	101092		-	-	-	Pass	4.4	3.8	15
L1407855-02	S-2	200	2.7L Can	04/10/14	101092	L1407023-01	Pass	-29.3	-4.3	-	-	-	-
L1407855-03	S-3	0204	#30 SV	04/10/14	101092		-	-	-	Pass	4.3	4.6	7
L1407855-03	S-3	232	2.7L Can	04/10/14	101092	L1407023-01	Pass	-29.4	-0.5	-	-	-	-

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

Lab Number: L1407023
Report Date: 04/21/14

Air Canister Certification Results

Lab ID: L1407023-01
Client ID: CAN 331 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/08/14 09:49
Analyst: MB

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

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1407023
Report Date: 04/21/14

Air Canister Certification Results

Lab ID: L1407023-01
Client ID: CAN 331 SHELF 1
Sample Location:
Date Collected: 04/03/14 16:30
Date Received: 04/04/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1407023
Report Date: 04/21/14

Air Canister Certification Results

Lab ID: L1407023-01
Client ID: CAN 331 SHELF 1
Sample Location:
Date Collected: 04/03/14 16:30
Date Received: 04/04/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1407023
Report Date: 04/21/14

Air Canister Certification Results

Lab ID: L1407023-01
Client ID: CAN 331 SHELF 1
Sample Location:
Date Collected: 04/03/14 16:30
Date Received: 04/04/14
Field Prep: Not Specified

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1407023
Report Date: 04/21/14

Air Canister Certification Results

Lab ID: L1407023-01
Client ID: CAN 331 SHELF 1
Sample Location:
Date Collected: 04/03/14 16:30
Date Received: 04/04/14
Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	69		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1407023
Report Date: 04/21/14

Air Canister Certification Results

Lab ID: L1407023-01
Client ID: CAN 331 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/08/14 09:49
Analyst: MB

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

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1407023
Report Date: 04/21/14

Air Canister Certification Results

Lab ID: L1407023-01
Client ID: CAN 331 SHELF 1
Sample Location:
Date Collected: 04/03/14 16:30
Date Received: 04/04/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1407023
Report Date: 04/21/14

Air Canister Certification Results

Lab ID: L1407023-01
Client ID: CAN 331 SHELF 1
Sample Location:
Date Collected: 04/03/14 16:30
Date Received: 04/04/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	71		60-140
bromochloromethane	73		60-140
chlorobenzene-d5	81		60-140

Project Name: RITE AID BUFFALO
Project Number: RITE AID BUFFALO

Lab Number: L1407855
Report Date: 04/21/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1407855-01A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1407855-02A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1407855-03A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	RITE AID BUFFALO	**Lab Number:**	L1407855
Project Number:	RITE AID BUFFALO	**Report Date:**	04/21/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: Data Usability Report

Project Name:	RITE AID BUFFALO	**Lab Number:**	L1407855
Project Number:	RITE AID BUFFALO	**Report Date:**	04/21/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised April 15, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

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

ALPHA Job #: L1407855

Client Information

Client: LEADER PROF. SVC.
Address: 271 MARSH RD. Suite 2
Pittsford, N.Y.
Phone: 585-248-2413
Fax: 585-248-2834
Email: pvonSchondorf@leaderlink.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RITE AID Buffalo
Project Location: 350 NIAGARA
Project #:
Project Manager: Peter von Schondorf
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 4/14/14 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☒ EMAIL (standard pdf report)
☐ Additional Deliverables: _____
Report to: (if different than Project Manager) _____

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
07855.01	S-1	4/13/14	8:53 PM	7:35 AM	27.5	0.89	SV	PVS	2.7	549	0248		✓						
02	S-2	"	8:53 PM	7:38 AM	29.44	4.0	SV	PVS	2.7	200	0380		✓						
03	S-3	"	8:53 PM	7:37 AM	29.38	0.125	AA	PVS	2.7	232	0204		✓						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTRUCTIONS. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time:
Peter von Schondorf	4/14/14 8:27		4-14-14 1520
[illegible]	4/14/14 1850	Jim Conley	4-14-14 1850
Jim Conley	4/14/14	[illegible]	4/14/14

Site Investigation Report
Leader Professional Services, Inc.

Leader Professional Services, Inc.
271 Marsh Road, Suite 2
Pittsford, New York 14534

(585) 248-2413
(585) 248-2834 (Fax)
www.leaderlink.com

855.001

December 17, 2014

Ms. Francine Gallego
New York State Department of Environmental Conservation
Region 9
270 Michigan Avenue
Buffalo, New York 14203

Re: Site Investigation Report
Rite Aid Store
350 Niagara Street, Buffalo, New York
Spill #1401048

Dear Ms. Gallego:

Leader Professional Services, Inc. ("Leader") has completed the site characterization proposed in the June 26, 2014 Work Plan submitted to you on the behalf of Rite Aid Corporation ("Rite Aid"). The project was completed in two phases to accommodate contractor schedules. Geoprobe soil borings were completed over the two day period of July 14 and July 15, 2014, while the monitoring wells were installed over another two day period from September 8 to September 9, 2014. The monitoring wells were sampled on September 16, 2014.

Background

In January 2014, AEI Consultants ("AEI") conducted a Phase II Site Investigation for a third party, which included a geophysical survey, soil borings and groundwater sampling. The geophysical survey, using ground penetrating radar ("GPR"), found four anomalies, which AEI identified in their report as suspected tanks. Leader contacted GPRS of New York (the GPR contractor) to verify their findings and found the suspected tanks were actually interpreted as former tank pits. AEI collected samples for laboratory analysis from soil borings around the property and in the vicinity of the suspected tanks. The soil and groundwater analyses identified aromatic hydrocarbons, chlorinated solvents, ketones, and metals at concentrations which exceed NYSDEC's soil cleanup objectives and Technical Operators Guidance Series ("TOGS") Quality Standards and Guidance Values and Effluent Limitations. In April 14, 2014, Leader was retained to collect and analyze an indoor air sample and sub-slab vapor samples from beneath the store. The air sampling results indicated there were no elevated contaminant concentrations in the indoor air, but slightly elevated concentrations were found below the slab.

Scope of Work

Leader's scope of work for this project was developed to obtain additional information to characterize the site conditions and to complement the investigation work already completed. The Work Plan was accepted ny NYSDEC on July 2, 2014. Leader's work included collecting

and analyzing soil and groundwater samples from the locations identified in Figure 1. Soil and groundwater samples were analyzed for the USEPA's Target Compound List ("TCL") volatile organic compounds ("VOCs"), polynuclear aromatic hydrocarbons ("PAHs"), and Target Analyte List ("TAL") metals including mercury and hexavalent chromium. Soil samples were selected based on the presence of fill materials such as cinders, ash, and foundry sand; stained soil, VOCs identified by a portable organic vapor analyzer using a photoionization detector ("PID"); or the soil having an odor. Soil gas samples were collected from soil gas probes placed in the soil and collecting a sample over a one hour period. The soil gas samples were analyzed using method TO-15 for VOCs.

Findings

Subsurface Conditions

The site was found to be underlain by fill materials, demolition debris, and undisturbed fine sand, silt and clay. Bedrock was encountered on the 7th Street lot at a depth of approximately 24 feet below the ground surface. The fill materials appear to be wide spread across the developed portion of the site, but at a greater thickness beneath the parking lot on the south side of the property. Demolition debris (concrete, brick and wood was found with fill soil on the south side of the site property and found frequently less on the north side of the property. The Phase I Environmental Site Assessment completed by Property Solutions, Inc. (December 5, 2013) found the site was developed prior to Rite Aid's development of the property so the finding of fill and demolition debris is not unexpected. During the sampling of soil boring SB-4 and monitoring well MW-3 a concrete slab was encountered at a depth of approximately 2 feet below the ground surface and caused these locations to be moved. Figure 1 provides the final location of all of the sampling points. The fill and debris on the south side of the property also contained VOCs, as measured by the PID, but did not have a strong odor. The PID measurements were the most significant in the soil samples from monitoring well MW-1.

Beneath the fill and demolition debris the undisturbed soil consisted of lacustrine (silt, clay and fine sand) and possibly glacial till. The glacial till was only identified in the samples on the 7th Street lot, west of the Rite Aid store. The till was encountered at a depth of approximately 16 to 18 feet below the ground surface. As to be expected, the lacustrine deposits consisted of varied clay, silt and sand followed by a very fine sand/silt. Frequently, because of the level of compaction of the sediment, the depth to groundwater was difficult to interpret from the collection of soil samples.

Monitoring wells were constructed based on the subjective soil moisture levels observed in the soil samples. At several soil boring locations, the demolition debris was wet but this was a restricted interval and not reflective of the site's groundwater zone. In all cases, the debris terminated in a dry clay, silt or sand. As a result, the monitoring wells were not constructed to sample these narrow intervals. Groundwater samples collected and analyzed by AEI appeared to focus on this shallow zone. Soil and monitoring well construction logs were prepared for this project and have been included in Appendix A.

Groundwater Conditions

Groundwater was encountered in the site's fine sand/silt unit at a depth ranging from 7.5 feet at monitoring well MW-5 to 10 feet below the ground surface at monitoring well MW-1. The non-clay soils have a medium to dense consistency (as measured using the standard penetration test N-values) and a silt or fine sand grain size, and at times these samples did not indicate saturated soil conditions. The soils at many of the locations suggested groundwater was below a depth of 8 feet, but once monitoring wells were constructed and developed, the static water table was found to range between 6.3 and 7.55 feet below the ground surface. Mapping the water table on the site shows for Tuesday, September 16, 2014, the groundwater flows to the southwest across the site property, see Figure 2.

Sample Results

For this project, soil gas samples were analyzed for TO-15 VOCs (soil gas only) and soil and groundwater samples were analyzed for TCL VOCs, PAHs, TAL metals, Mercury and Hexavalent Chromium. The sample results are presented in Tables 1, 2, 3, 4, and 5, and compared to applicable guidance values. Appendix B provides the laboratory report for the analysis of the samples. Leader also submitted to the NYSDEC (on May 19, 2014) the results of a subslab soil gas sampling of the Rite Aid building, which was conducted on April 13 and 14, 2014.

Soil Gas Results

Six soil gas samples and one ambient air sample were collected and analyzed for TO-15 VOCs. The sample results are presented on Table 1 and also on Figure 3. The soil gas sample locations were selected to ensure that the potential for vapor intrusion was assessed at the property and at properties that bordered the property in the expected direction of groundwater flow. In general, the VOCs identified at concentrations above the laboratory reporting limit (shown on Table 1 as a "J" suffix to the reported value and also referred to as an estimated concentration) were limited to eight compounds including: 2-Butanone, Acetone, Benzene, Carbon Disulfide, Chloroform, m & p Xylene, Tetrachloroethylene ("PCE") and Toluene. The ambient air sample also identified these compounds, but at estimated concentrations with the exception of Toluene which was found at a concentration of approximately two orders of magnitude less than the soil gas concentrations. Carbon Disulfide was also found in the ambient air sample, but it was qualified as also being present in the laboratory blank(s).

Soil gas concentrations are not comparable to indoor air concentrations nor to the guidance values placed on indoor air quality. Leader modeled the soil gas values using the results from sample SV-4 and USEPA's Johnson Ettinger Model to estimate an indoor air contaminant concentration, and used the model to calculate the residential carcinogenic and non-carcinogenic risk, see Table 2. Sample SV-4 was chosen for the modeling as it generally exhibited the highest concentrations and it is the sample point closest to a potential off-site receptor. Appendix C provides a copy of the Johnson Ettinger modeling.

Soil Results

Seventeen soil samples were analyzed to complement the work conducted during the Phase II and further define the extent of contamination. In general samples were collected based on the presence of stains, odors, elevated PID levels and, or the presence of fill material. Tables 3 and 4 were prepared to show the results for those compounds found above the laboratory reporting-limits. Table 3 shows the results for the samples collected during the geoprobe investigation of the overburden and these are compared to NYSDEC Part 375 Soil Cleanup Objectives ("SCO") for commercial property, NYSDEC's Cleanup Policy CP-51 for Gasoline and Diesel Fuel tank cleanups. Table 4 compares the results for soil samples collected on the vacant parcels along 7th Street to Part 375 and CP-51 SCO for residential property. Appendix B provides a copy of the laboratory report for the sample analysis.

No SCO's were exceeded on the 7th Street residential property, except for the concentration of Iron. The SCO for Iron is 2,000 mg/Kg and the level found at monitoring well location MW-5 was 10,000 mg/Kg. Iron was found at higher levels on the Niagara Street property, but there are no SCO's for Iron for commercial property use.

Sample results for the Rite Aid Store property found no commercial property SCO's exceeded. SCO values for petroleum tank removals and tank spills (SCO's found in CP-51) were exceeded at sample location SB-2 (at a depth of 5 to 6 feet below the ground surface). In this sample, three semivolatile organic compounds were found at or slightly above the SCO:

- Indeno (1,2,3-cd) pyrene at a concentration of 500 µg/Kg, the CP-51 SCO is 500 µg/Kg;
- Chrysene at a concentration of 1,100 µg/Kg, the CP-51 SCO is 1,000 µg/Kg; and
- Benzo (a) anthracene at a concentration of 1,200 µg/Kg, the CP-51 SCO is 1,000 µg/Kg.

Groundwater Results

Five groundwater samples were collected from the newly installed monitoring wells for this project, see Figures 1, 2 and 4 for the monitoring well locations. Each sample was analyzed for TCL VOCs, SVOC related to petroleum and Target Analyte List metals. Table 5 summarizes the sample results and compares the results to NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values and Effluent Limitations. Appendix B provides a copy of the laboratory report for the sample analysis.

Each of the monitoring well samples had at least three metals exceeding the groundwater quality criteria including: Iron, Magnesium, Manganese, and Sodium.

Volatile organic compounds found to exceed the groundwater quality criteria include: Benzene, Ethylbenzene, Methyl tert-Butyl Ether ("MTBE"), Tetrachlorothene, Trichloroethene, Vinyl Chloride, 1,1-Dichloroethane, 1,2-Dichloroethane, cis-1,2-Dichloroethene, and trans-1,2-Dichloroethene.

No SVOCs were identified to exceed the TOGS groundwater quality criteria.

LEADER

Comparison of Results

Soil Sample Results

The results collected during this investigation show only one soil sample location (SB-2) to have contaminants above the CP-51 SCOs. All sample results were found to be below commercial property restricted SCO identified in Part 375 regulations. When all of the soil results for the site are compared (including results collected by AEI Consultant for their Limited Phase II Site Investigation of the site, January 3, 2014) the data indicates that soil contamination (exceeding SCOs) is limited in extent to two areas: the immediate vicinity of borehole SB-2 (Leader) on the north side of the site and in the area between boreholes B-5 and B-6 (AEI) on the south side of the site.

The investigations were relatively consistent finding low level petroleum related compounds across the site property, which may be related to the fill material, but only the AEI investigation identified chlorinated compounds. These compounds, found primarily in the vicinity of borehole B-3, were at concentrations less than Part 375's requirements for single family residential property.

Groundwater

The pattern of the groundwater contaminants is consistent with the contaminants found in the soil and the interpreted direction of groundwater flow. The groundwater on the north side of the site property is impacted with chlorinated compounds and the flow of groundwater appears to have spread this contamination southwest to monitoring well MW-5. The soil and groundwater on the south side of the site property is impacted with petroleum related compounds and additives common to gasoline. The service station was reported by the Phase I Report to be present prior to the construction of the Rite Aid store.

The results however contradict one another when the results for metals are compared. It is our opinion this disparity could be the result of AEI not developing the boreholes/monitoring wells and having high turbidity in the samples. Our claim is supported by the sample results from borehole B-7 where AEI reports Silver at a concentration of 65.5 milligrams per liter. This study did not detect Silver (the reporting limit for Silver was reported to be 10 micrograms per liter) in the samples from monitoring well MW-1 or MW-2 which are both located at the south end of the site property like that of B-7. Similar findings exist for total Chromium and Lead, but none of Leader's results found total Chromium, Hexavalent Chromium, or Lead in the groundwater samples.

The groundwater samples also show there is significant breakdown of the chlorinated compounds in the suspected source area (monitoring well-MW-3) as well as down gradient (monitoring well MW-5). This may be the result of reduced oxidation-reduction conditions in the groundwater caused by the breakdown of petroleum compounds removing oxygen from the groundwater or the presence of an electron acceptor such as iron or sulfate. Regardless of the

mechanism, dechlorination of the compounds is occurring and should be taken advantage of during any potential remedial action.

Conclusions

During the investigation of the Rite Aid property contaminants were found in the soil, soil vapor, and groundwater. Contaminants found in the soil meet do not exceed NYSDEC's guidance CP-51 or Part 375 for commercial property with the exception of Iron. Soil vapor contaminants were also found and they are consistent with soil and groundwater contaminants. USEPA's Screening Level Johnson & Ettinger indoor air simulations were conducted using the soil gas data from sample SV-4 and these simulations suggest that vapor intrusion is unlikely to be a problem. Groundwater contamination is present and consists of both petroleum related compounds and chlorinated compounds. The chlorinated compounds appear to be breaking down into daughter products even in the suspected source area. This breakdown may be enhanced by the reduced groundwater conditions caused by the natural breakdown of petroleum compounds near the north east corner of the Rite Aid building. Fortunately, no groundwater receptors were identified in the near vicinity of the property.

Before identifying a remedial plan, we would like to have a meeting with NYSDEC to discuss the department's concerns, requirements, and potential approaches for an appropriate remedial action.

Please call us at your earliest convenience to arrange a meeting. Our telephone number is 585-248-2413.

Sincerely,
LEADER PROFESSIONAL SERVICES, INC.

Peter von Schondorf, PG
Senior Project Manager

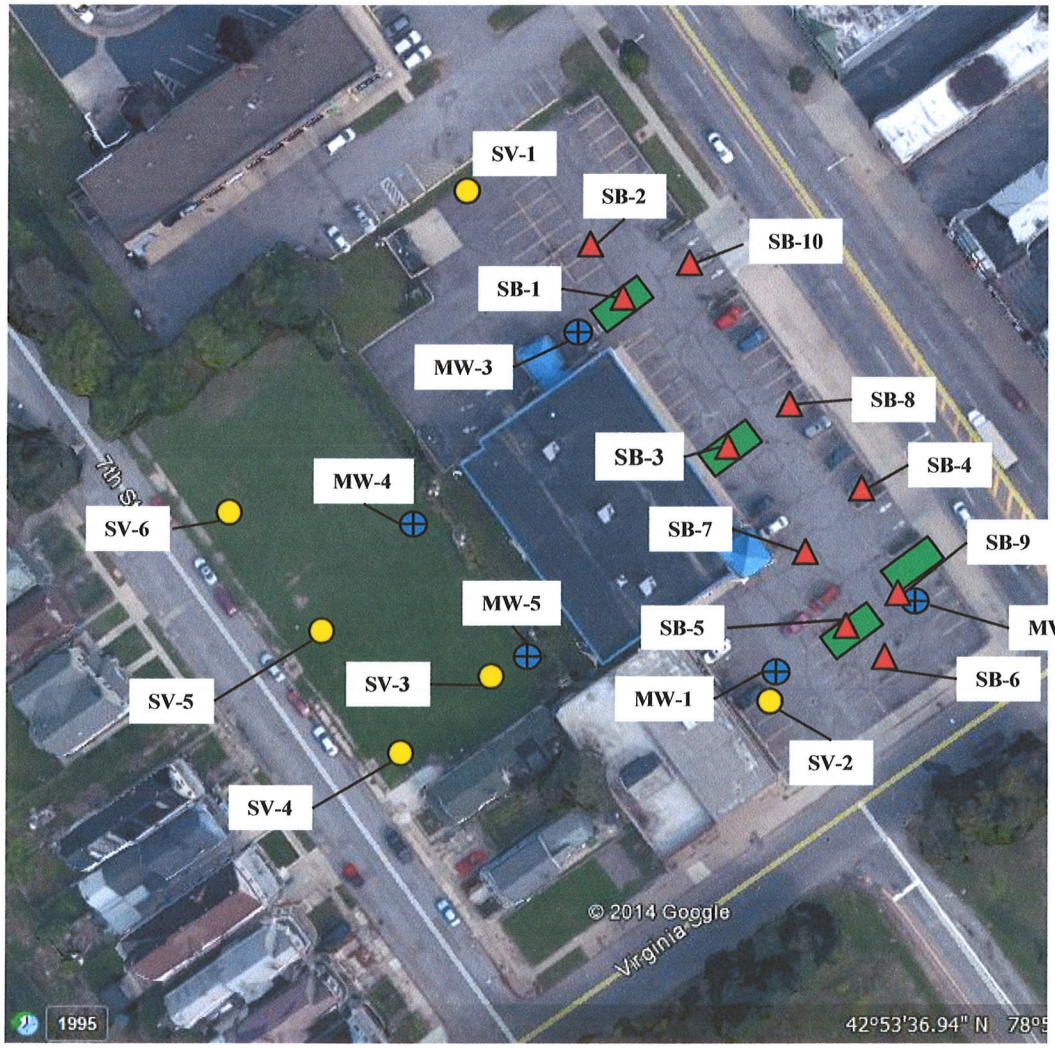
Michael P. Rumrill
President

cc: Jonathan Spergel, Esq.
Darryl Borelli, PE – Manko, Gold, Katcher Fox LLP

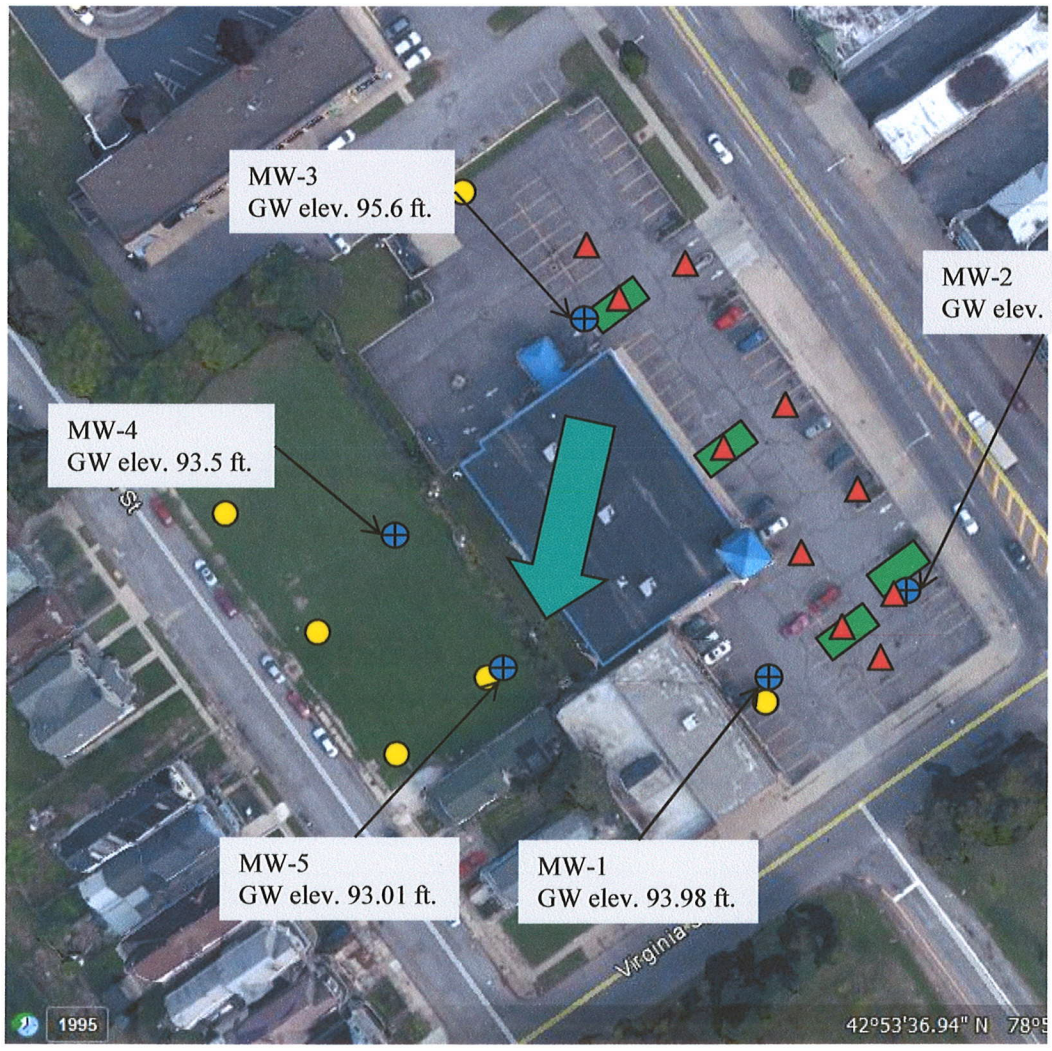
▲ Soil Boring Locations

● Soil Vapor Probe Locations

⊕ Overburden Monitoring Wells



Title: Sampling Locations, 350 Niagara Street, Buffalo, New York Prepared For: Rite Aid Corporation	LEADER Leader Professional Services 271 Marsh Road, Suite 2 Pittsford, NY 14534 (585) 248-2413 FAX (585) 248-2834	Project: 855.001 Date: 8/13/14 Scale: Approx. As shown	Drawn: PVS Checked: File Name: Site Plan	Figure: 1



Direction of Groundwater Flow

MW-1 through MW-5 = Monitoring wells installed by Leader.

Title: Groundwater Elevations, 350 Niagara Street, Buffalo, New York Prepared For: Rite Aid Corporation	Leader Professional Services 271 Marsh Road, Suite 2 Pittsford, NY 14534 (585) 248-2413 FAX (585) 248-2834	Project: 855.001 Date: 10/08/14 Scale	Drawn: PVS Checked: MPR File Name: Site Plan	Figure: 2

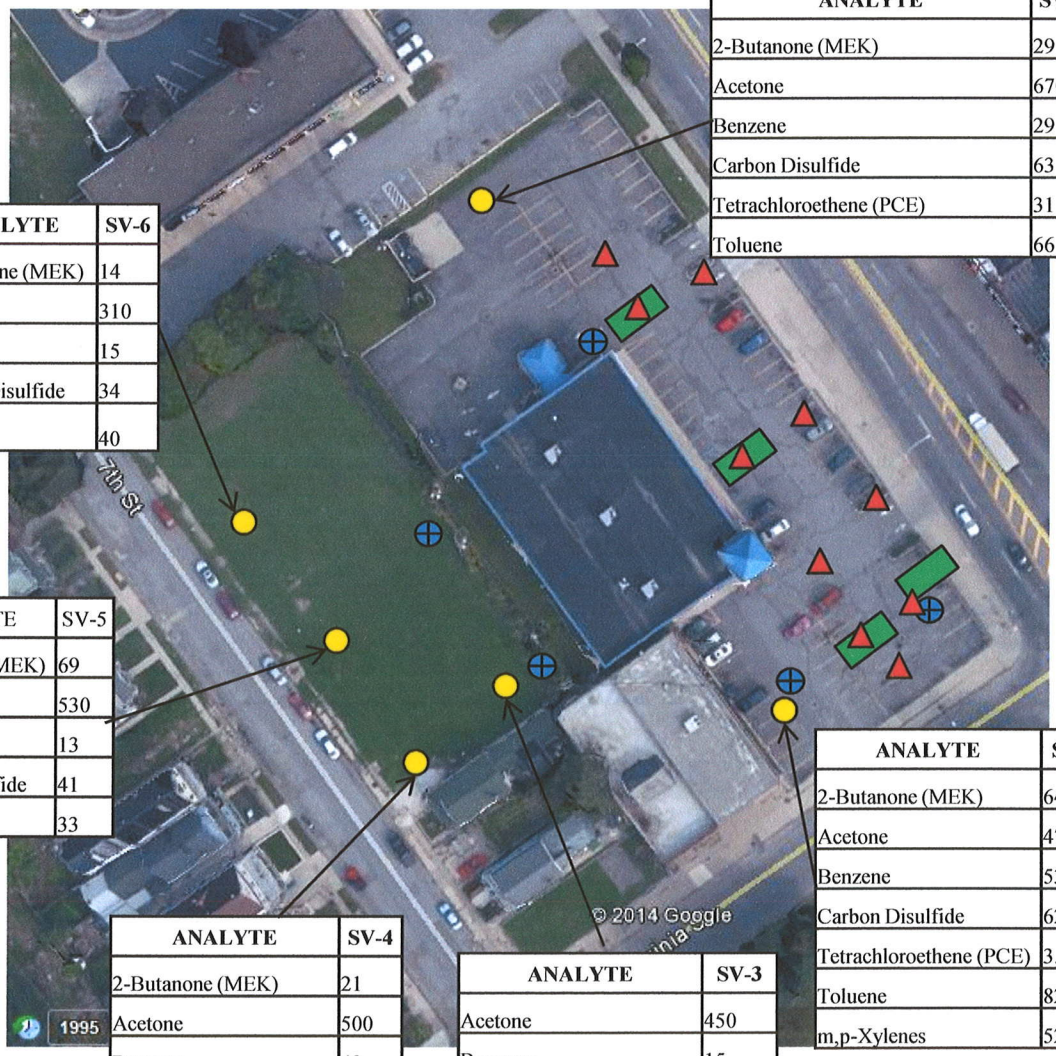
▲ Approximate Soil Boring Locations

● Approximate Soil Vapor Probe Locations

⊕ Overburden Monitoring Wells

▬ Former Underground Storage Tank Location

NORTH



ANALYTE	SV-1
2-Butanone (MEK)	29
Acetone	670
Benzene	29
Carbon Disulfide	63
Tetrachloroethene (PCE)	31
Toluene	66

ANALYTE	SV-6
2-Butanone (MEK)	14
Acetone	310
Benzene	15
Carbon Disulfide	34
Toluene	40

ANALYTE	SV-5
2-Butanone (MEK)	69
Acetone	530
Benzene	13
Carbon Disulfide	41
Toluene	33

ANALYTE	SV-2
2-Butanone (MEK)	64
Acetone	470
Benzene	53
Carbon Disulfide	62
Tetrachloroethene (PCE)	3.2
Toluene	82
m,p-Xylenes	52

ANALYTE	SV-4
2-Butanone (MEK)	21
Acetone	500
Benzene	49
Carbon Disulfide	250
Tetrachloroethene (PCE)	96
Toluene	92
Trichloroethene (TCE)	2.7

ANALYTE	SV-3
Acetone	450
Benzene	15
Carbon Disulfide	13
Chloroform	20
Tetrachloroethene (PCE)	17
Toluene	35

Title: Soil Vapor Sampling Locations and Results
350 Niagara Street
Buffalo, New York

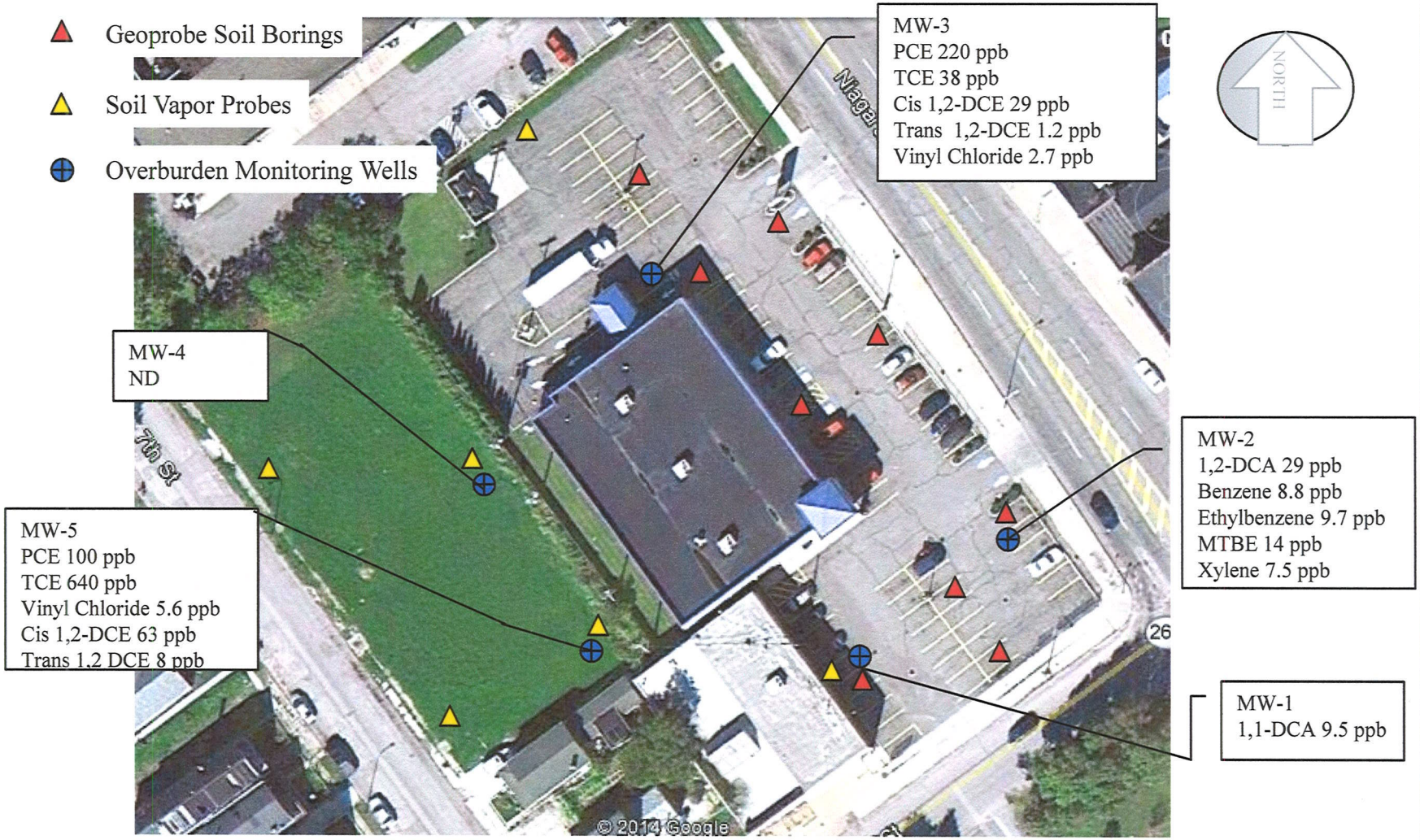
Prepared For: Rite Aid Corporation

LEADER
Leader Professional Services
271 Marsh Road, Suite 2
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(585) 248-2413
FAX (585) 248-2834

Project: 855.001
Date: 8/13/14
Scale: Approx. As shown

Drawn: PVS
Checked:
File Name: Site Plan

Figure 3



Title	Selected Groundwater Sample Results 350 Niagara Street Buffalo, New York
Prepared For	Rite Aid Corporation

LEADER

Leader Professional Services, Inc
271 Marsh Road-Suite 2
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(585) 248-2413
FAX (585) 248-2834

Project	855.001
Date	10/08/2014
Scale	
Drawn	PVS
Checked	
File Name	Site Plan
Figure	4

TABLE 1
Detected Compounds in the Soil Gas
350 Niagara Street
Buffalo, New York

ANALYTE	UNITS	AMB-1	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6
2-Butanone (MEK)	ug/m3	0.95 J	29	64	11 J	21	69	14
Acetone	ug/m3	6.9 J	670	470	450	500	530	310
Benzene	ug/m3	0.47 J	29	53	15	49	13	15
Carbon Disulfide	ug/m3	0.051 BJ	63	62	13	250	41	34
Chloroform	ug/m3	0.10 J	4.4 J	<0.68	20	2.9 J	8.6 J	1.7 J
Tetrachloroethene (PCE)	ug/m3	0.047 J	31	3.2	17	96	0.92 J	<0.56
Toluene	ug/m3	0.81	66	82	35	92	33	40
Trichloroethene (TCE)	ug/m3	<0.039	<0.71	<0.61	<0.67	2.7	<0.73	<0.48
m,p-Xylenes	ug/m3	0.35 J	42 J	52	28 J	30 J	21 J	21 J

Notes:

ug/M^3 = micrograms per cubic meter.

< = Less than the reporting limit.

J = Estimated concentration because the concentration shown is below the reporting limit.

TABLE 2
Summary of Carcinogenic and Non-Carcinogenic Risk for
Selected Compounds
Using USEPA's Johnson - Ettinger Model Using Site Specific Data
350 Niagara Street, Buffalo, New York

	Soil Gas Concentration	Modeled In-door Air Concentration	USEPA Indoor Air Quality Screening Values for Residential Property	Residential Risk	Residential Risk
Compound	ug/M^3	ug/M^3		Carcinogenic	Non-Carcinogenic
Tetrachloroethylene	96	0.11	4.10E-01	1.35E-07	0
Trichloroethylene	2.7	0.003	1.2	1.48E-07	8.19E-05
Benzene	49	0.064	3.10E-01	2.04E-07	0
Toluene	92	0.119	5.20E+03	0	2.96E-04
m&p-Xylene*	30	0.336 - 0.357	7.30E+02	0	5.10E-06
o-Xylene	9.9	0.013	7.30E+02	0	1.82E-06
2-Butanone (MEK)	21	0.261	5.20E+03	0	2.62E-05
Acetone	500	0.795	3.20E+04	0	0.002
Cumulative Risk				4.87E-07	0.0024

ug/M^3 = micrograms per cubic meter.
* = m and p Xylene were modeled as individual isomers and the range of results have been provided in the table.
MEK = Methylethyl Ketone
E-07 = risk value to the -7th power.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-1 6-7'	SB-2 5-6'	SB-2 4'
Solids, Total	Percent				85.3	83.9	84.9
Metals							
Aluminum, Total	mg/Kg-dry	NS	NS	NS	8970	NA	11700
Arsenic, Total	mg/Kg-dry	NS	16	16	4	NA	5.4
Barium, Total	mg/Kg-dry	NS	400	350	68.7	NA	112
Beryllium, Total	mg/Kg-dry	NS	590	14	0.44	NA	0.63
Calcium, Total	mg/Kg-dry	NS	NS	NS	80800	NA	48800
Cobalt, Total	mg/Kg-dry	30*	NS	NS	6.6	NA	9.1
Chromium, Total	mg/Kg-dry	NS	400/1500	22/36	13.3	NA	19.3
Copper, Total	mg/Kg-dry	NS	270	270	14.8	NA	26.2
Iron, Total	mg/Kg-dry	2,000*	NS	NS	17700	NA	22300
Potassium, Total	mg/Kg-dry	NS	NS	NS	1880	NA	1910
Magnesium, Total	mg/Kg-dry	NS	NS	NS	27700	NA	15400
Manganese, Total	mg/Kg-dry	NS	10,000	2000	440	NA	614
Sodium, Total	mg/Kg-dry	NS	NS	NS	380	NA	640
Nickel, Total	mg/Kg-dry	NS	310	140	14	NA	18.6
Lead, Total	mg/Kg-dry	NS	1,000	400	13.4	NA	90.9
Selenium, Total	mg/Kg-dry	NS	1,500	36	<1.1	NA	<1.2
Vanadium, Total	mg/Kg-dry	100*	NS	NS	18.6	NA	23.5
Zinc, Total	mg/Kg-dry	NS	10,000	2,200	61.4	NA	101
Chromium, Hexavalent	mg/Kg-dry	NS	400	22	<0.45	NA	<0.47
Mercury, Total	mg/Kg-dry	NS	2.8	0.81	<0.039	NA	0.491

Notes:
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* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-1 6-7'	SB-2 5-6'	SB-2 4'
Volatile Organic Compounds							
2-Butanone (MEK)	ug/Kg-dry	100,000*	500,000	100,000	<5.9	14	NA
Acetone	ug/Kg-dry	NS	500,000	100,000	10	68	NA
Cyclohexane	ug/Kg-dry	NS	NS	NS	<5.9	<6.0	NA
Ethylbenzene	ug/Kg-dry	700	390,000	30,000	<5.9	<6.0	NA
Methylcyclohexane	ug/Kg-dry	NS	NS	NS	<5.9	<6.0	NA
Semivolatile Organic Compounds							
Acenaphthene	ug/Kg-dry	20,000	500,000	100,000	<7.7	120	NA
Acenaphthylene	ug/Kg-dry	100,000	500,000	100,000	<7.7	140	NA
Anthracene	ug/Kg-dry	100,000	500,000	100,000	<7.7	550	NA
Benz(a)anthracene	ug/Kg-dry	1,000	5,600	1,000	<7.7	1200	NA
Benzo(a)pyrene	ug/Kg-dry	1,000	10,000	1,000	<7.7	930	NA
Benzo(b)fluoranthene	ug/Kg-dry	1,000	5,600	1,000	<7.7	820	NA
Benzo(g,h,i)perylene	ug/Kg-dry	100,000	500,000	100,000	<7.7	530	NA
Benzo(k)fluoranthene	ug/Kg-dry	800	56,000	1,000	<7.7	750	NA
Chrysene	ug/Kg-dry	1,000	56,000	1,000	<7.7	1100	NA
Dibenz(a,h)anthracene	ug/Kg-dry	330	560	330	<7.7	170	NA
Fluoranthene	ug/Kg-dry	100,000	500,000	100,000	17	3000	NA
Fluorene	ug/Kg-dry	30,000	500,000	100,000	<7.7	230	NA
Indeno(1,2,3-cd)pyrene	ug/Kg-dry	500	5,600	500	<7.7	500	NA
Naphthalene	ug/Kg-dry	12,000	500,000	100,000	<7.7	<63	NA
Phenanthrene	ug/Kg-dry	100,000	500,000	100,000	<7.7	2100	NA

Notes:
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Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-1 6-7'	SB-2 5-6'	SB-2 4'
Pyrene	ug/Kg-dry	100,000	500,000	100,000	16	2300	NA

Notes:
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TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-3 4-5'	SB-4 8-9'	SB-5 6-7'
Solids, Total	Percent				82.7	83.1	82.8
Metals							
Aluminum, Total	mg/Kg-dry	NS	NS	NS	12900	5110	9710
Arsenic, Total	mg/Kg-dry	NS	16	16	3.4	2.4	3.5
Barium, Total	mg/Kg-dry	NS	400	350	74.4	30.9	73
Beryllium, Total	mg/Kg-dry	NS	590	14	0.7	<0.35	0.48
Calcium, Total	mg/Kg-dry	NS	NS	NS	2280	72300	67100
Cobalt, Total	mg/Kg-dry	30*	NS	NS	9.5	<5.8	7.1
Chromium, Total	mg/Kg-dry	NS	400/1500	22/36	15.7	8.7	13.4
Copper, Total	mg/Kg-dry	NS	270	270	8.6	8.7	13.9
Iron, Total	mg/Kg-dry	2,000*	NS	NS	16900	10700	18100
Potassium, Total	mg/Kg-dry	NS	NS	NS	1350	1040	2200
Magnesium, Total	mg/Kg-dry	NS	NS	NS	2880	27800	17400
Manganese, Total	mg/Kg-dry	NS	10,000	2000	384	370	558
Sodium, Total	mg/Kg-dry	NS	NS	NS	800	460	150
Nickel, Total	mg/Kg-dry	NS	310	140	11.9	7.9	15.4
Lead, Total	mg/Kg-dry	NS	1,000	400	26	8.8	10.9
Selenium, Total	mg/Kg-dry	NS	1,500	36	<1.2	<1.2	<1.2
Vanadium, Total	mg/Kg-dry	100*	NS	NS	25.8	12	18.2
Zinc, Total	mg/Kg-dry	NS	10,000	2,200	65.1	53.3	52.2
Chromium, Hexavalent	mg/Kg-dry	NS	400	22	1.12	0.5	0.48
Mercury, Total	mg/Kg-dry	NS	2.8	0.81	0.082	<0.039	<0.037

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TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-3 4-5'	SB-4 8-9'	SB-5 6-7'
Volatile Organic Compounds							
2-Butanone (MEK)	ug/Kg-dry	100,000*	500,000	100,000	41	<6.0	<6.0
Acetone	ug/Kg-dry	NS	500,000	100,000	130	<6.0	44
Cyclohexane	ug/Kg-dry	NS	NS	NS	<6.0	<6.0	37
Ethylbenzene	ug/Kg-dry	700	390,000	30,000	<6.0	<6.0	<6.0
Methylcyclohexane	ug/Kg-dry	NS	NS	NS	<6.0	<6.0	16
Semivolatile Organic Compounds							
Acenaphthene	ug/Kg-dry	20,000	500,000	100,000	<40	<7.9	<80
Acenaphthylene	ug/Kg-dry	100,000	500,000	100,000	<40	<7.9	<80
Anthracene	ug/Kg-dry	100,000	500,000	100,000	<40	<7.9	<80
Benz(a)anthracene	ug/Kg-dry	1,000	5,600	1,000	160	<7.9	<80
Benzo(a)pyrene	ug/Kg-dry	1,000	10,000	1,000	120	<7.9	<80
Benzo(b)fluoranthene	ug/Kg-dry	1,000	5,600	1,000	210	<7.9	<80
Benzo(g,h,i)perylene	ug/Kg-dry	100,000	500,000	100,000	140	<7.9	<80
Benzo(k)fluoranthene	ug/Kg-dry	800	56,000	1,000	190	<7.9	<80
Chrysene	ug/Kg-dry	1,000	56,000	1,000	270	<7.9	93
Dibenz(a,h)anthracene	ug/Kg-dry	330	560	330	<40	<7.9	<80
Fluoranthene	ug/Kg-dry	100,000	500,000	100,000	550	13	<80
Fluorene	ug/Kg-dry	30,000	500,000	100,000	<40	<7.9	<80
Indeno(1,2,3-cd)pyrene	ug/Kg-dry	500	5,600	500	110	<7.9	<80
Naphthalene	ug/Kg-dry	12,000	500,000	100,000	<40	<7.9	<80
Phenanthrene	ug/Kg-dry	100,000	500,000	100,000	87	11	<80

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Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-3 4-5'	SB-4 8-9'	SB-5 6-7'
Pyrene	ug/Kg-dry	100,000	500,000	100,000	430	9.6	<80

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Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-6 8-9'	SB-7 3.5-4'	SB-8 15-16'
Solids, Total	Percent				83.2	81.8	83.2
Metals							
Aluminum, Total	mg/Kg-dry	NS	NS	NS	12400	10400	NA
Arsenic, Total	mg/Kg-dry	NS	16	16	3.7	3.9	NA
Barium, Total	mg/Kg-dry	NS	400	350	95.1	85	NA
Beryllium, Total	mg/Kg-dry	NS	590	14	0.61	0.51	NA
Calcium, Total	mg/Kg-dry	NS	NS	NS	70900	3820	NA
Cobalt, Total	mg/Kg-dry	30*	NS	NS	8.7	7.3	NA
Chromium, Total	mg/Kg-dry	NS	400/1500	22/36	17.1	12.9	NA
Copper, Total	mg/Kg-dry	NS	270	270	19	14.6	NA
Iron, Total	mg/Kg-dry	2,000*	NS	NS	22500	17200	NA
Potassium, Total	mg/Kg-dry	NS	NS	NS	2650	1320	NA
Magnesium, Total	mg/Kg-dry	NS	NS	NS	23400	3090	NA
Manganese, Total	mg/Kg-dry	NS	10,000	2000	481	207	NA
Sodium, Total	mg/Kg-dry	NS	NS	NS	870	2040	NA
Nickel, Total	mg/Kg-dry	NS	310	140	18.7	12	NA
Lead, Total	mg/Kg-dry	NS	1,000	400	14.3	75.6	NA
Selenium, Total	mg/Kg-dry	NS	1,500	36	<1.1	<1.2	NA
Vanadium, Total	mg/Kg-dry	100*	NS	NS	24.2	21.5	NA
Zinc, Total	mg/Kg-dry	NS	10,000	2,200	66	74.5	NA
Chromium, Hexavalent	mg/Kg-dry	NS	400	22	<0.47	0.61	NA
Mercury, Total	mg/Kg-dry	NS	2.8	0.81	<0.040	0.344	NA

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TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

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Volatile Organic Compounds							
2-Butanone (MEK)	ug/Kg-dry	100,000*	500,000	100,000	<6.0	<6.1	<6.0
Acetone	ug/Kg-dry	NS	500,000	100,000	11	7.3	<6.0
Cyclohexane	ug/Kg-dry	NS	NS	NS	<6.0	<6.1	<6.0
Ethylbenzene	ug/Kg-dry	700	390,000	30,000	<6.0	<6.1	<6.0
Methylcyclohexane	ug/Kg-dry	NS	NS	NS	<6.0	<6.1	<6.0
Semivolatile Organic Compounds							
Acenaphthene	ug/Kg-dry	20,000	500,000	100,000	<7.9	<8.1	NA
Acenaphthylene	ug/Kg-dry	100,000	500,000	100,000	<7.9	<8.1	NA
Anthracene	ug/Kg-dry	100,000	500,000	100,000	<7.9	<8.1	NA
Benz(a)anthracene	ug/Kg-dry	1,000	5,600	1,000	<7.9	9	NA
Benzo(a)pyrene	ug/Kg-dry	1,000	10,000	1,000	<7.9	<8.1	NA
Benzo(b)fluoranthene	ug/Kg-dry	1,000	5,600	1,000	<7.9	8.6	NA
Benzo(g,h,i)perylene	ug/Kg-dry	100,000	500,000	100,000	<7.9	<8.1	NA
Benzo(k)fluoranthene	ug/Kg-dry	800	56,000	1,000	<7.9	<8.1	NA
Chrysene	ug/Kg-dry	1,000	56,000	1,000	<7.9	11	NA
Dibenz(a,h)anthracene	ug/Kg-dry	330	560	330	<7.9	<8.1	NA
Fluoranthene	ug/Kg-dry	100,000	500,000	100,000	<7.9	17	NA
Fluorene	ug/Kg-dry	30,000	500,000	100,000	<7.9	<8.1	NA
Indeno(1,2,3-cd)pyrene	ug/Kg-dry	500	5,600	500	<7.9	<8.1	NA
Naphthalene	ug/Kg-dry	12,000	500,000	100,000	18	<8.1	NA
Phenanthrene	ug/Kg-dry	100,000	500,000	100,000	8.4	14	NA

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TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-6 8-9'	SB-7 3.5-4'	SB-8 15-16'
Pyrene	ug/Kg-dry	100,000	500,000	100,000	<7.9	15	NA

Notes:
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Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-9 9-10'	SB-12 12-14'	SV-2 4'
Solids, Total	Percent				85.2	85	80.6
Metals							
Aluminum, Total	mg/Kg-dry	NS	NS	NS	12600	3650	NA
Arsenic, Total	mg/Kg-dry	NS	16	16	4.9	1.7	NA
Barium, Total	mg/Kg-dry	NS	400	350	93.4	56.9	NA
Beryllium, Total	mg/Kg-dry	NS	590	14	0.62	<0.34	NA
Calcium, Total	mg/Kg-dry	NS	NS	NS	73600	86400	NA
Cobalt, Total	mg/Kg-dry	30*	NS	NS	9.6	<5.6	NA
Chromium, Total	mg/Kg-dry	NS	400/1500	22/36	17.4	6.7	NA
Copper, Total	mg/Kg-dry	NS	270	270	19.1	8.3	NA
Iron, Total	mg/Kg-dry	2,000*	NS	NS	24200	9140	NA
Potassium, Total	mg/Kg-dry	NS	NS	NS	2700	880	NA
Magnesium, Total	mg/Kg-dry	NS	NS	NS	22100	20800	NA
Manganese, Total	mg/Kg-dry	NS	10,000	2000	467	275	NA
Sodium, Total	mg/Kg-dry	NS	NS	NS	670	220	NA
Nickel, Total	mg/Kg-dry	NS	310	140	19.7	6	NA
Lead, Total	mg/Kg-dry	NS	1,000	400	13.9	9	NA
Selenium, Total	mg/Kg-dry	NS	1,500	36	<1.1	<1.1	NA
Vanadium, Total	mg/Kg-dry	100*	NS	NS	24.2	10.8	NA
Zinc, Total	mg/Kg-dry	NS	10,000	2,200	67.4	192	NA
Chromium, Hexavalent	mg/Kg-dry	NS	400	22	<0.46	<0.46	NA
Mercury, Total	mg/Kg-dry	NS	2.8	0.81	0.042	<0.037	NA

Notes:
< = less than the reporting limit shown.
NS = No Standard
NA = Not Analyzed
* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-9 9-10'	SB-12 12-14'	SV-2 4'
Volatile Organic Compounds							
2-Butanone (MEK)	ug/Kg-dry	100,000*	500,000	100,000	<5.9	<5.9	6.8
Acetone	ug/Kg-dry	NS	500,000	100,000	<5.9	<5.9	20
Cyclohexane	ug/Kg-dry	NS	NS	NS	<5.9	<5.9	<6.2
Ethylbenzene	ug/Kg-dry	700	390,000	30,000	<5.9	<5.9	<6.2
Methylcyclohexane	ug/Kg-dry	NS	NS	NS	<5.9	<5.9	<6.2
Semivolatile Organic Compounds							
Acenaphthene	ug/Kg-dry	20,000	500,000	100,000	<7.7	<7.8	NA
Acenaphthylene	ug/Kg-dry	100,000	500,000	100,000	<7.7	<7.8	NA
Anthracene	ug/Kg-dry	100,000	500,000	100,000	<7.7	<7.8	NA
Benz(a)anthracene	ug/Kg-dry	1,000	5,600	1,000	<7.7	<7.8	NA
Benzo(a)pyrene	ug/Kg-dry	1,000	10,000	1,000	<7.7	<7.8	NA
Benzo(b)fluoranthene	ug/Kg-dry	1,000	5,600	1,000	<7.7	<7.8	NA
Benzo(g,h,i)perylene	ug/Kg-dry	100,000	500,000	100,000	<7.7	<7.8	NA
Benzo(k)fluoranthene	ug/Kg-dry	800	56,000	1,000	<7.7	<7.8	NA
Chrysene	ug/Kg-dry	1,000	56,000	1,000	<7.7	<7.8	NA
Dibenz(a,h)anthracene	ug/Kg-dry	330	560	330	<7.7	<7.8	NA
Fluoranthene	ug/Kg-dry	100,000	500,000	100,000	13	<7.8	NA
Fluorene	ug/Kg-dry	30,000	500,000	100,000	<7.7	<7.8	NA
Indeno(1,2,3-cd)pyrene	ug/Kg-dry	500	5,600	500	<7.7	<7.8	NA
Naphthalene	ug/Kg-dry	12,000	500,000	100,000	9	<7.8	NA
Phenanthrene	ug/Kg-dry	100,000	500,000	100,000	8.6	<7.8	NA

Notes:
< = less than the reporting limit shown.
NS = No Standard
NA = Not Analyzed
* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	SB-9 9-10'	SB-12 12-14'	SV-2 4'
Pyrene	ug/Kg-dry	100,000	500,000	100,000	8.2	<7.8	NA

Notes:
< = less than the reporting limit shown.
NS = No Standard
NA = Not Analyzed
* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	MW-5 9-11'	MW-4 10 -12'	MW-3 8 - 9'
Solids, Total	Percent				83.5	84.5	82.9
Metals							
Aluminum, Total	mg/Kg-dry	NS	NS	NS	4290	NA	NA
Arsenic, Total	mg/Kg-dry	NS	16	16	2.1	NA	NA
Barium, Total	mg/Kg-dry	NS	400	350	24.3	NA	NA
Beryllium, Total	mg/Kg-dry	NS	590	14	<0.36	NA	NA
Calcium, Total	mg/Kg-dry	NS	NS	NS	61200	NA	NA
Cobalt, Total	mg/Kg-dry	30*	NS	NS	<6.0	NA	NA
Chromium, Total	mg/Kg-dry	NS	400/1500	22/36	6.7	NA	NA
Copper, Total	mg/Kg-dry	NS	270	270	8.5	NA	NA
Iron, Total	mg/Kg-dry	2,000*	NS	NS	10000	NA	NA
Potassium, Total	mg/Kg-dry	NS	NS	NS	770	NA	NA
Magnesium, Total	mg/Kg-dry	NS	NS	NS	23500	NA	NA
Manganese, Total	mg/Kg-dry	NS	10,000	2000	272	NA	NA
Sodium, Total	mg/Kg-dry	NS	NS	NS	140	NA	NA
Nickel, Total	mg/Kg-dry	NS	310	140	5.8	NA	NA
Lead, Total	mg/Kg-dry	NS	1,000	400	8.4	NA	NA
Selenium, Total	mg/Kg-dry	NS	1,500	36	<1.2	NA	NA
Vanadium, Total	mg/Kg-dry	100*	NS	NS	13	NA	NA
Zinc, Total	mg/Kg-dry	NS	10,000	2,200	45.2	NA	NA
Chromium, Hexavalent	mg/Kg-dry	NS	400	22	<0.46	NA	NA
Mercury, Total	mg/Kg-dry	NS	2.8	0.81	<0.038	NA	NA

Notes:
< = less than the reporting limit shown.
NS = No Standard
NA = Not Analyzed
* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	MW-5 9-11'	MW-4 10 -12'	MW-3 8 - 9'
Volatile Organic Compounds							
2-Butanone (MEK)	ug/Kg-dry	100,000*	500,000	100,000	<6.0	<5.9	7.2
Acetone	ug/Kg-dry	NS	500,000	100,000	<6.0	<5.9	13
Cyclohexane	ug/Kg-dry	NS	NS	NS	<6.0	<5.9	<6.0
Ethylbenzene	ug/Kg-dry	700	390,000	30,000	<6.0	<5.9	6.7
Methylcyclohexane	ug/Kg-dry	NS	NS	NS	<6.0	<5.9	<6.0
Semivolatile Organic Compounds							
Acenaphthene	ug/Kg-dry	20,000	500,000	100,000	<7.9	<7.8	<8.0
Acenaphthylene	ug/Kg-dry	100,000	500,000	100,000	<7.9	<7.8	<8.0
Anthracene	ug/Kg-dry	100,000	500,000	100,000	<7.9	<7.8	<8.0
Benz(a)anthracene	ug/Kg-dry	1,000	5,600	1,000	<7.9	<7.8	<8.0
Benzo(a)pyrene	ug/Kg-dry	1,000	10,000	1,000	<7.9	<7.8	<8.0
Benzo(b)fluoranthene	ug/Kg-dry	1,000	5,600	1,000	<7.9	<7.8	<8.0
Benzo(g,h,i)perylene	ug/Kg-dry	100,000	500,000	100,000	<7.9	<7.8	<8.0
Benzo(k)fluoranthene	ug/Kg-dry	800	56,000	1,000	<7.9	<7.8	<8.0
Chrysene	ug/Kg-dry	1,000	56,000	1,000	<7.9	<7.8	<8.0
Dibenz(a,h)anthracene	ug/Kg-dry	330	560	330	<7.9	<7.8	<8.0
Fluoranthene	ug/Kg-dry	100,000	500,000	100,000	<7.9	<7.8	<8.0
Fluorene	ug/Kg-dry	30,000	500,000	100,000	<7.9	<7.8	<8.0
Indeno(1,2,3-cd)pyrene	ug/Kg-dry	500	5,600	500	<7.9	<7.8	<8.0
Naphthalene	ug/Kg-dry	12,000	500,000	100,000	<7.9	<7.8	25
Phenanthrene	ug/Kg-dry	100,000	500,000	100,000	<7.9	<7.8	<8.0

Notes:
< = less than the reporting limit shown.
NS = No Standard
NA = Not Analyzed
* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	MW-5 9-11'	MW-4 10 -12'	MW-3 8 - 9'
Pyrene	ug/Kg-dry	100,000	500,000	100,000	<7.9	<7.8	<8.0

Notes:
< = less than the reporting limit shown.
NS = No Standard
NA = Not Analyzed
* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	MW-2 6 -8'	MW-1 6 - 8'
Solids, Total	Percent				84.4	85
Metals						
Aluminum, Total	mg/Kg-dry	NS	NS	NS	5930	21900
Arsenic, Total	mg/Kg-dry	NS	16	16	4	3.4
Barium, Total	mg/Kg-dry	NS	400	350	72.4	129
Beryllium, Total	mg/Kg-dry	NS	590	14	<0.35	0.78
Calcium, Total	mg/Kg-dry	NS	NS	NS	70100	43400
Cobalt, Total	mg/Kg-dry	30*	NS	NS	<5.8	13
Chromium, Total	mg/Kg-dry	NS	400/1500	22/36	9.3	24.1
Copper, Total	mg/Kg-dry	NS	270	270	36.7	19.7
Iron, Total	mg/Kg-dry	2,000*	NS	NS	8970	24200
Potassium, Total	mg/Kg-dry	NS	NS	NS	1130	2680
Magnesium, Total	mg/Kg-dry	NS	NS	NS	15700	19400
Manganese, Total	mg/Kg-dry	NS	10,000	2000	311	500
Sodium, Total	mg/Kg-dry	NS	NS	NS	350	360
Nickel, Total	mg/Kg-dry	NS	310	140	11.8	25.2
Lead, Total	mg/Kg-dry	NS	1,000	400	133	14
Selenium, Total	mg/Kg-dry	NS	1,500	36	1.4	<1.1
Vanadium, Total	mg/Kg-dry	100*	NS	NS	12	30.6
Zinc, Total	mg/Kg-dry	NS	10,000	2,200	153	87.7
Chromium, Hexavalent	mg/Kg-dry	NS	400	22	<0.46	<0.47
Mercury, Total	mg/Kg-dry	NS	2.8	0.81	0.126	<0.036

Notes:
< = less than the reporting limit shown.
NS = No Standard
NA = Not Analyzed
* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	MW-2 6 -8'	MW-1 6 - 8'
Volatile Organic Compounds						
2-Butanone (MEK)	ug/Kg-dry	100,000*	500,000	100,000	<5.9	<780
Acetone	ug/Kg-dry	NS	500,000	100,000	10	<780
Cyclohexane	ug/Kg-dry	NS	NS	NS	<5.9	<160
Ethylbenzene	ug/Kg-dry	700	390,000	30,000	<5.9	<160
Methylcyclohexane	ug/Kg-dry	NS	NS	NS	<5.9	740
Semivolatile Organic Compounds						
Acenaphthene	ug/Kg-dry	20,000	500,000	100,000	<63	<7.8
Acenaphthylene	ug/Kg-dry	100,000	500,000	100,000	<63	<7.8
Anthracene	ug/Kg-dry	100,000	500,000	100,000	140	<7.8
Benz(a)anthracene	ug/Kg-dry	1,000	5,600	1,000	340	<7.8
Benzo(a)pyrene	ug/Kg-dry	1,000	10,000	1,000	270	<7.8
Benzo(b)fluoranthene	ug/Kg-dry	1,000	5,600	1,000	250	<7.8
Benzo(g,h,i)perylene	ug/Kg-dry	100,000	500,000	100,000	160	<7.8
Benzo(k)fluoranthene	ug/Kg-dry	800	56,000	1,000	270	<7.8
Chrysene	ug/Kg-dry	1,000	56,000	1,000	310	<7.8
Dibenz(a,h)anthracene	ug/Kg-dry	330	560	330	<63	<7.8
Fluoranthene	ug/Kg-dry	100,000	500,000	100,000	1000	14
Fluorene	ug/Kg-dry	30,000	500,000	100,000	<63	<7.8
Indeno(1,2,3-cd)pyrene	ug/Kg-dry	500	5,600	500	150	<7.8
Naphthalene	ug/Kg-dry	12,000	500,000	100,000	<63	<7.8
Phenanthrene	ug/Kg-dry	100,000	500,000	100,000	350	18

Notes:
< = less than the reporting limit shown.
NS = No Standard
NA = Not Analyzed
* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 3
Soil Sample Results
350 Niagara St.
Buffalo, New York

ANALYTE	UNITS	NYSDEC CP-51 Soil Cleanup Objectives	NYSDEC Part 375 Soil Cleanup Objectives for Commercial Property	NYSDEC Part 375 Soil Cleanup Objectives for Residential Property	MW-2 6 -8'	MW-1 6 - 8'
Pyrene	ug/Kg-dry	100,000	500,000	100,000	700	9.8

Notes:
< = less than the reporting limit shown.
NS = No Standard
NA = Not Analyzed
* Residential value
Cleanup values for Chromium are shown as hexavalent/trivalent compounds.

TABLE 4
Summary of Soil Sample Results for Residential Lots Compared to NYSDEC for Residential Property
350 Niagara Street
Buffalo, New York

		NYSDEC Residential Property Soil Cleanup Objectives Part 375 and CP-51	MW-4	MW-5
Metals	Units			
Aluminum, Total	mg/Kg	NS	NA	4,290.0
Arsenic, Total	mg/Kg	16	NA	2.1
Barium, Total	mg/Kg	350	NA	24.3
Beryllium, Total	mg/Kg	14	NA	<0.36
Calcium, Total	mg/Kg	NS	NA	61,200.0
Cadmium, Total	mg/Kg	2.5	NA	<0.60
Cobalt, Total	mg/Kg	30	NA	<6.0
Chromium, Total**	mg/Kg	36	NA	6.7
Copper, Total	mg/Kg	270	NA	8.5
Iron, Total	mg/Kg	2,000	NA	10,000.0
Potassium, Total	mg/Kg	NS	NA	770.0
Magnesium, Total	mg/Kg	NS	NA	23,500.0
Manganese, Total	mg/Kg	2,000	NA	272.0
Sodium, Total	mg/Kg	NS	NA	140.0
Nickel, Total	mg/Kg	140	NA	5.8
Lead, Total	mg/Kg	400	NA	8.4
Selenium, Total	mg/Kg	36	NA	<1.2
Vanadium, Total	mg/Kg	100	NA	13.0
Zinc, Total	mg/Kg	10,000	NA	45.2
Mercury, Total	mg/Kg	2.8	NA	<0.038

Notes:
NS = No Standard
NA = Not Analyzed.
* = Values for groundwater protection Part 375/CP-51
** = Concentrations shown for T. Chromium. Results assume values is for Tri- Chromium. Hex-Chromium results were below detection limits.

TABLE 4
Summary of Soil Sample Results for Residential Lots Compared to NYSDEC for Residential Property
350 Niagara Street
Buffalo, New York

		NYSDEC Residential Property Soil Cleanup Objectives Part 375 and CP-51	MW-4	MW-5
Voltile Organic Compounds				
2-Butanone (MEK)	ug/Kg	100,000	<5.9	<6.0
Acetone	ug/Kg	100,000	<5.9	<6.0
Ethylbenzene	ug/Kg	30,000	<5.9	<6.0
Methylcyclohexane	ug/Kg	NS	<5.9	<6.0
Semivolatile Organic Compounds				
Anthracene	ug/Kg	100,000	<7.8	<7.9
Benz(a)anthracene	ug/Kg	1,000	<7.8	<7.9
Benzo(a)pyrene	ug/Kg	1,000	<7.8	<7.9
Benzo(b)fluoranthene	ug/Kg	1,000	<7.8	<7.9
Benzo(g,h,i)perylene	ug/Kg	100,000	<7.8	<7.9
Benzo(k)fluoranthene	ug/Kg	1,000	<7.8	<7.9
Chrysene	ug/Kg	1,000	<7.8	<7.9
Fluoranthene	ug/Kg	100,000	<7.8	<7.9
Indeno(1,2,3-cd)pyrene	ug/Kg	500	<7.8	<7.9
Naphthalene	ug/Kg	100,000	<7.8	<7.9
Phenanthrene	ug/Kg	100,000	<7.8	<7.9
Pyrene	ug/Kg	100,000	<7.8	<7.9

Notes:
NS = No Standard
NA = Not Analyzed.
* = Values for groundwater protection Part 375/CP-51
** = Concentrations shown for T. Chromium. Results assume values is for Tri- Chromium. Hex-Chromium results were below detection limits.

TABLE 5

Summary of Groundwater Sample Results Compared to NYSDEC Groundwater Quality Standards

350 Niagara Street, Buffalo, New York

ANALYTE	NYSDEC Stds.		MW-1	MW-2	MW-3	MW-4	MW-5
Metals							
Aluminum, Total	NS	ug/L	790	<100	<100	2,300	<100
Barium, Total	1,000	ug/L	90	47	44	54	66
Calcium, Total	NS	ug/L	163,000	176,000	183,000	228,000	126,000
Iron, Total	500	ug/L	790	160	590	2,230	<100
Potassium, Total	NS	ug/L	8,000	7,800	6,100	4,400	3,300
Magnesium, Total	35,000	ug/L	67,500	84,000	150,000	95,600	55,100
Manganese, Total	300	ug/L	749	666	212	640	453
Sodium, Total	20,000	ug/L	167,000	173,000	154,000	46,100	34,300
Zinc, Total	5,000	ug/L	<20	<20	<20	23	<20
Volatile Organic Compounds							
1,1-Dichloroethane (1,1-DCA)	5	ug/L	9.5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene (1,1-DCE)	5	ug/L	<1.0	<1.0	<1.0	<1.0	1.5
1,2-Dichloroethane	0.6	ug/L	<1.0	29	<1.0	<1.0	<1.0
Acetone	50	ug/L	11	15	<5.0	6.1	5.3
Benzene	1	ug/L	<1.0	8.8	<1.0	<1.0	<1.0
Carbon Disulfide	60	ug/L	1.3	1.6	2.3	2	1.2
Cyclohexane	NS	ug/L	6.3	14	<1.0	<1.0	<1.0
Ethylbenzene	5	ug/L	1.7	9.7	<1.0	<1.0	<1.0
Isopropylbenzene (Cumene)	5	ug/L	<1.0	1.1	<1.0	<1.0	<1.0
Methyl tert-Butyl Ether	10	ug/L	3.1	14	<1.0	<1.0	<1.0
Methylcyclohexane	NS	ug/L	11	18	<1.0	<1.0	<1.0
Tetrachloroethene (PCE)	5	ug/L	<1.0	<1.0	220	<1.0	100
Toluene	5	ug/L	<1.0	1.3	<1.0	<1.0	<1.0
Trichloroethene (TCE)	5	ug/L	<1.0	<1.0	38	<1.0	640 E
Vinyl Chloride	2	ug/L	<1.0	<1.0	2.7	<1.0	5.6
cis-1,2-Dichloroethene	5	ug/L	<1.0	<1.0	29	<1.0	63
m,p-Xylenes	5	ug/L	<2.0	7.5	<2.0	<2.0	<2.0
trans-1,2-Dichloroethene	5	ug/L	<1.0	<1.0	1.2	<1.0	8
Semivolatile Organic Compounds							
Naphthalene	10	ug/L	<0.20	0.72	<0.20	<0.20	<0.20
Phenanthrene	50	ug/L	0.24	<0.20	0.52	0.43	0.47

Notes:

NS= No Standard.

NA = Not Analyzed.

ug/L = Parts per billion.

E = Estimated concentration.

Results for MW-3 show the higher of the sample and its duplicate results.

Appendix A
Soil and Monitoring Well Construction Logs

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

BORING # SB-1
Page 1 of 1

LOG OF BORING

Project Rite Aid | Location 350 Niagara Street, Buffalo | Permit #:
Date Drilled 7/14/14 | Drilling Co.: Naturesway | Job #:
Total Depth 20 ft. | Method Used: Direct Push
Inspector P. von Schondorf | Organic Vapor Inst: PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	0	0-8" asphalt and gravel 8"-4' red brown clay till. Dense, dry. @2.5 ft. slight plastic, mottling damp.	ML/CL	Poor
6						Same as above	ML/CL	Poor
8	2	Push	4 -8 ft.	4	1.5	Clay, moist, slightly plastic, slight odor.	CL	Poor
10	3	Push	8 -10 ft.	2	0	Red Brown Clay with v. fine sand @9-9.5 ft., moist. @9.5 ft. clay dense.	CL/SM	Poor
12	4	Push	10 -12 ft.	2	0.2	Red Brown Clay with varves of v. fine sand and silt, damp, slight plastic.	CL/ML	Poor
14	5	Push	12 - 14 ft.	2	0	Brown v. fine Sand and silt, little clay, wet, stiff-dense.	SM/ML	Poor
16	6	Push	14 - 16 ft.	2	2	Brown v. fine Sand and silt, wet, loose to stiff.	SM/ML	Poor
18								
20	7	Push	16 - 20 ft.	4	0	Brown v. fine Sand and silt, little clay, wet.	SM/ML	Poor
						Total depth 20 ft.		

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

BORING # SB-2

LOG OF BORING Page 1 of 1

Project Rite Aid Location 350 Niagara Street, Buffalo Permit #:

Date Drilled 7/14/14 Drilling Co.: Naturesway Job #:

Total Depth 16 ft. Method Used: Direct Push

Inspector P. von Schondorf Organic Vapor Inst: PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	0	0-8" asphalt and gravel 8"-4' Fill, sand little gravel and silt. @3.5 ft. black organic rich silt and clay, demolition debris.	SM/ML	Good
6						Red brown Clay, wet, plastic	CL	Poor
7	2	Push	4 - 7 ft.	3	0	@ 5 ft. Black brown Sand some silt, little clay, slight odor	SM/ML	
10	3	Push	7 -10 ft.	3	0	Red Brown Clay with v. fine sand dry, dense	CL/SM	Poor
13	4	Push	10 -13 ft.	3	0	Red brown clay varves with yellow fine sand and silt, wet, stiff.	CL/ML	Poor
16	6	Push	14 - 16 ft.	3	0	Brown v. fine Sand and silt, wet, stiff. Total depth 16 ft.	SM/ML	Poor

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SB-3
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/14/14
Drilling Co.: Naturesway
Total Depth 19 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	0	0-8" asphalt and gravel 8"-3.5' Fill, demolition debris, brick and sand with silt @3.5 ft. brown gray silt. (topsoil?) Fill to 4.5 ft.	Fill	Good
8	2	Push	4 - 8 ft.	4	0	4.5 - 7 ft. Brown Clay plastic, moist. @7 ft. Brown Clay, stiff, trace sand and silt.	CL	Poor
12	3	Push	8 - 12 ft.	4	0	Brown Silt little v. fine sand, stiff non-plastic.	ML	Poor
15	4	Push	12 - 15 ft.	3	0	Brown Silt and v. fine sand, stiff moist.	ML	Poor
19	5	Push	15 - 19 ft.	4	0	Brown Silt and clay, slightly plastic to 17 ft. Red Brown v. Fine Sand and silt, dense, wet. Total Depth 19 ft.	ML/CL SM/ML	Poor

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SB-4
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/14/14
Drilling Co.: Naturesway
Total Depth 15 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	0	0-4" asphalt and gravel 4" - 4ft. Brick and concrete.	Fill	Good
6								
8	2	Push	4 - 8 ft.	4	0	4 - 7.75 ft. Brick. @7.75 ft. Brown Silt and v. fine sand.	Fill ML	Good
10								
12	3	Push	8 - 12 ft.	4	0	Brown Silt and v. fine sand, stiff moist.	ML	Poor
14						Same as above to 14.75 ft.		
15	4	Push	12 - 15 ft.	3	0	Brown Clay with varves of v. fine sand and silt. Moist. Total Depth 15 ft.	ML	Poor
						Total Depth 19 ft.		

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SB-5
Page 1 of 1

Project Rite Aid — Location 350 Niagara Street, Buffalo — Permit #:
Date Drilled 7/14/14 — Drilling Co.: Naturesway — Job #:
Total Depth 10 ft. — Method Used: Direct Push
Inspector P. von Schondorf — Organic Vapor Inst: PID — Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	1	0-1 ft. asphalt and gravel 1 - 3 ft. Brown Silt little - some clay. 3 - 4 ft. As above with black streak. slight odor.	ML/CL	Poor
6								
8	2	Push	4 - 8 ft.	4	13 @ 7 ft.	4 - 6 ft. Brown Gray Clay, moist plastic. 6 -8 ft. Brown Clay some silt, mottled dense, dry.	CL CL/ML	Poor
10	3	Push	8 - 10 ft.	2	0	Red brown Clay v. dense, mottling.	CL	Poor
						Total Depth 10 ft.		
						Total Depth 19 ft.		

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SB-6
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/14/14
Drilling Co.: Naturesway
Total Depth 14 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
						0-1 ft. asphalt and gravel		
4	1	Push	0-4 ft.	4	0	Demolition debris, brick and concrete	Fill	Good
6								
						Demolition debris to 7 ft.	Fill	Good
					59	Black Silt and sand, wet, Red Brown	ML/SM	
8	2	Push	4 - 8 ft.	4	20	Clay, moist, plastic at 8ft.	CL	Poor
					3.2	@10 ft. Brown Silt and v. fine sand. wet.	ML/SM	
11	3	Push	8 - 11 ft.	3	0	Clay, moist, plastic. Water from debris filling hole, and giving off VOCs. Sheen present	CL	Poor
						Brown, Silt and v.fine sand, loose	ML/SM	Poor
14	4	Push	11 - 14 ft.	3	0	wet. @ 13.75 ft. Brown varved Clay.	ML/CL	
						Total depth 14 ft.		

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SB-7
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/14/14
Drilling Co.: Naturesway
Total Depth 6 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	0	0-1.5 ft. asphalt and gravel 1.5 - 3.5 ft. dark brown silt and clay non-plastic	ML/CL	Poor
6						3.5 - 4 ft. Red brown Silt and clay to clay, damp non-plastic to plastic.	CL	
8	2	Push	4 - 6 ft.	2	0	Red brown Silt some clay, dry, mottling, v. dense.	ML/CL	Poor
						Total depth 6 ft.		

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SB-8
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/15/14
Drilling Co.: Naturesway
Total Depth 16 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
						0-1.5 ft. asphalt and gravel		
4	1	Push	0-4 ft.	2.5	0	Brown Silt little clay, dry, non-plastic	ML/CL	Poor
8	2	Push	4 - 8 ft.	2	0	Brown Clay little silt, moist, slightly plastic, stiff-dense.	CL/ML	Poor
12	3	Push	8 - 12 ft.	4	0	Brown Clay with varves of silt and v. fine sand to 11.5 ft. @11.5 ft. Brown Clay, wet, plastic.	CL	Poor
16	4	Push	12 - 16 ft.	4	0	12 -15 ft. Same as above. 15 - 16 ft. Red brown v.fine Sand and silt, dense, wet. Total Depth 16 ft.	CL SM/ML	Poor Poor

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SB-9
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/15/14
Drilling Co.: Naturesway
Total Depth 13.5 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
						0-1 ft. asphalt and gravel		
4	1	Push	0-4 ft.	4	0	Fill, demolition debris brick and misc. silt, sand, and gravel.	Fill	Good
8	2	Push	4 - 8 ft.	4	159	4- 7.5 ft. Fill, demolition debris and soil wet. @7.5 ft Dark gray, Sand grading to Red brown Silt @8 ft.	Fill SM/ML	Good
					35	Red brown Clay, mottling, plastic dense, damp (water from fill).	CL	Poor
11	3	Push	8 - 11 ft.	3	2	Red brown Clay, varses of v. fine sand, tr. coarse sand.	CL/ML	Poor
13	4	Push	11 - 13.5 ft.	2.5	.5	Red brown Silt little sand and clay, varved, @12 ft. Clay plastic. Moist.	ML CL	Poor
						Total depth 13.5 ft.		

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SB-10
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/15/14
Drilling Co.: Naturesway
Total Depth 14 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
						0-.6 ft. asphalt		
4	1	Push	0-4 ft.	4	0	Brown Silt, some clay, mottling, damp non-plastic.	ML	Poor
6	2	Push	4 - 6 ft.	2	0	Brown Clay and silt occ. Varves of sand. Slightly plastic.	CL/ML	Poor
8	3	Push	6 - 8 ft.	2	0	Same as above.	CL/ML	Poor
10	4	Push	8 - 10 ft.	2	0	Brown Clay, stiff, plastic, damp	CL	Poor
12	5	Push	10 - 12 ft.	2	0	Brown Clay with silt and sand varves. damp, v. dense.	CL/ML	Poor
14	6	Push	12 - 14 ft.	2	0	Brown, v. fine Sand and silt, wet. Dense.	SM/ML	Poor
						Total Depth 14 ft.		

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Environmental Engineers & Scientists

LOG OF BORING

BORING # SV-1
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/15/14
Drilling Co.: Naturesway
Total Depth 4 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
						0-1 ft. asphalt and gravel.		
4	1	Push	0-4 ft.	4	0	Brown Clay some silt, mottled. Slightly plastic, stiff, damp.	CL/ML	Poor
						Total depth 4 ft.		

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SV-2
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/15/14
Drilling Co.: Naturesway
Total Depth 4 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
						0 - .6 ft. Asphalt.	Fill	Good
4	1	Push	0-4 ft.	4	0.7	Fill, demolition debris brick and concrete to 3.5 ft. Brown Clay and silt, moist.	CL/ML	Poor
						Total depth 4 ft.		

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Environmental Engineers & Scientists

LOG OF BORING

BORING # SV-3
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/15/14
Drilling Co.: Naturesway
Total Depth 4 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	0.9	0 - 0.5 ft. Topsoil. 0.5 - 1.5, Fill, demolition debris and soil 1.5 - 4 ft. Red brown Silt and clay. damp, non-plastic. Total depth 4 ft.	ML/CL	Poor

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # SV-4
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 7/15/14
Drilling Co.: Naturesway
Total Depth 4 ft.
Method Used: Direct Push
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	0.4	0 - 0.25 ft. Topsoil. 0.25 - 0.6 ft., Fill, demolition debris and soil. 0.6 ft. to 4 ft. Brown Silt, clay, and v.fine sand. Damp, non-plastic. Total depth 4 ft.	Fill ML/CL	Poor

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BORING # SV-5

LOG OF BORING Page 1 of 1

Project Rite Aid | Location 350 Niagara Street, Buffalo | Permit #:

Date Drilled 7/15/14 | Drilling Co.: Naturesway | Job #:

Total Depth 4 ft. | Method Used: Direct Push

Inspector P. von Schondorf | Organic Vapor Inst: PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	0.3	0 - 0.5 ft. Topsoil.	ML	Poor
						0.5 ft. to 3.5 ft. Brown Silt little sand, trace gravel. @3.5 - 4 ft Red brown Clay varved with silt and v. fine sand.	ML/CL	
						Total Depth 4 ft.		

LEADER PROFESSIONAL SERVICES

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LOG OF BORING

BORING # SV-6
Page 1 of 1

Project Rite Aid — Location 350 Niagara Street, Buffalo — Permit #:
Date Drilled 7/15/14 — Drilling Co.: Naturesway — Job #:
Total Depth 4 ft. — Method Used: Direct Push
Inspector P. von Schondorf — Organic Vapor Inst: PID — Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
4	1	Push	0-4 ft.	4	0.3	0 - 0.5 ft. Topsoil.	ML	Poor
						0.5 ft. to 4 ft. Brown Silt trace sand, trace gravel. Stiff, damp.	ML/CL	
						Total Depth 4 ft.		

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LOG OF BORING

BORING # MW-1
Page 1 of 1

Project Rite Aid — Location 350 Niagara Street, Buffalo — Permit #:
Date Drilled 9/9/2014 — Drilling Co.: Naturesway — Job #:
Total Depth 24 ft. — Method Used: Hollow Stem Augers
Inspector P. von Schondorf — Organic Vapor Inst: PID — Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Rec. (inches)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2						Drilled 6 inches through asphalt and gravel		
4								
6	1	4-5-12-12	4-6 ft.	15	0	Possible Fill, Brown Silt and clay, tr. gravel, black streaks. Damp, stff, no odor.	ML/CL	Poor
8	2	4-7-13-20	6-8 ft.	20	312	Brown Silt and clay, stiff-hard. Gray mottling/fractures. Dry damp.	ML/CL	Poor
10	3	7-7-10-12	8-10 ft.	20	135	Brown Silt and clay, stiff-hard. to 9.5 feet, Brown very fine sand and silt, damp to wet.	ML/CL ML/SM	Poor
12	4	6-15-22-26	10-12 ft.	15	1	Brown very fine Sand and silt. wet, dense.	SM	Poor
14								
16	5	9-21-30-35	14-16 ft.	15	0	Brown very fine Sand and silt. wet.	SM	Poor
18								
20								
22	6	4-7-11-16	19-21 ft.	18	0	Brown very fine Sand and silt. Wet.	SM	Poor
24	7	2-2-1-15	23-24 ft.	20	0	Brown Clay, trace gravel at 24 ft. Plastic, soft.	CL	Poor

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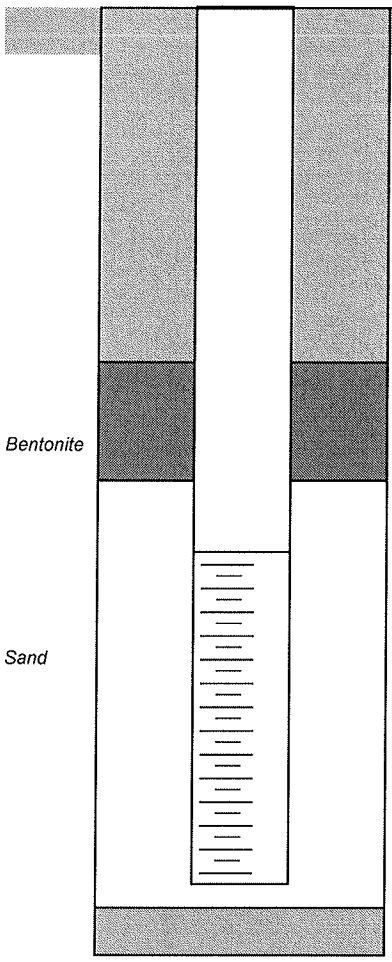
Environmental Engineers & Scientists

WELL CONSTRUCTION SUMMARY

Project: Rite Aid 350 Niagara Street, Buffalo Location: Buffalo, NY Well No.: MW-1
Permit No.:

TOC elev.: Not Determined

TOC elev.: 100.8



DRILLING SUMMARY

Drilling Company: Naturesway Drillers: Steve
Drill Rig/Model: Hollow Stem Augers
Borehole Diameters: 8-inch Drilling Fluid: None
Bits/Depths:
Total Depth: 24 ft. Depth To Water: 7 ft.
Supervisor Geologist: P. von Schondorf

WELL DESIGN

11	Casing Material:	PVC	Diameter:	2-inch
	Screen Size:		Diameter:	2-inch
	Slot Size:	0.02	Setting:	14 to 24 ft.
	Backfill		Setting:	
13	Filter Material:	Sand	Setting:	13 to 24 feet
	Seals Material:	Bentonite	Setting:	11 to 13 feet
	Gravel Cap	Sand	Setting:	0.5 to 1.5 ft.
14	Grout:	Cement	Setting:	1.5 to 11 ft.
	Surface Casing Material:	Steel roadbox	Setting:	

TIME LOG

	Started	Completed
Drilling:	9-Sep-14	9-Sep-14
Installation:	9-Sep-14	9-Sep-14
Development:	11-Sep-14	9/11/2014

WELL DEVELOPMENT

24
24

Method: Pumping
Static Depth to Water: 6.85
Pumping Depth To Water: 12
Pumping Rate: <.5 l/min Spec. Capacity:
Volume Pumped: 5 gallons

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Environmental Engineers & Scientists

LOG OF BORING

BORING # MW-2
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 9/9/2014
Drilling Co.: Naturesway
Total Depth 24 ft.
Method Used: Hollow Stem Augers
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Rec. (inches)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
						Drilled 6 inches through asphalt and gravel		
2								
4								
6	1	3-2-2-4	4-6 ft.	8	0	Filll, Brown Clay tr. Sand and gravel. Concrete, brick, damp. Slight petrol. odor.	Fill	Poor
8								
10	2	5-7-14-16	9-11 ft.	20	3	Brown very fine Sand and silt. Stiff, wet.	SM/ML	Poor
12								
14								
16	3	9-12-12-9	14-16 ft.	20	0	Brown very fine Sand and silt. Stiff, wet.	SM	Poor
18								
20								
22	4	5-8-11-23	19-21 ft.	15	0	Brown very fine Sand and silt. Moist- wet.	SM	Poor
24	7	2-2-1-15	23-24 ft.	20	0	Brown Clay, trace gravel at 24 ft. Plastic, soft.	CL	Poor

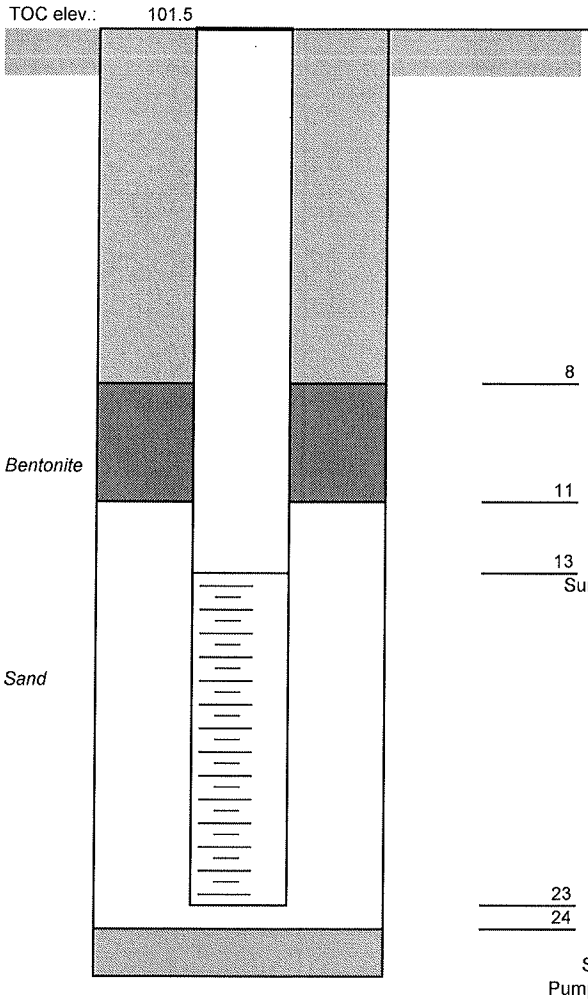
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WELL CONSTRUCTION SUMMARY

Project: Rite Aid 350 Niagara Street, Buffalo Location: Buffalo, NY Well No.: MW-2
Permit No.:

TOC elev.: Not Determined



DRILLING SUMMARY

Drilling Company: Naturesway Drillers: Steve
Drill Rig/Model: Hollow Stem Augers
Borehole Diameters: 8-inch Drilling Fluid: None
Bits/Depths:
Total Depth: 24 ft. Depth To Water: 7 ft.
Supervisor Geologist: P. von Schondorf

WELL DESIGN

8	Casing Material:	PVC	Diameter:	2-inch
	Screen Size:		Diameter:	2-inch
	Slot Size:	0.02	Setting:	13 to 23 ft.
	Backfill		Setting:	
11	Filter Material:	Sand	Setting:	11 to 24 feet
	Seals Material:	Bentonite	Setting:	8 to 11 feet
	Gravel Cap	Sand	Setting:	0.5 to 1.5 ft.
13	Grout:	Cement	Setting:	1.5 to 8 ft
	Surface Casing Material:	Steel roadbox	Setting:	

TIME LOG

	Started	Completed
Drilling:	9-Sep-14	9-Sep-14
Installation:	9-Sep-14	9-Sep-14
Development:	11-Sep-14	9/11/2014

WELL DEVELOPMENT

23
24

Method: Pumping
Static Depth to Water: 7.15 ft.
Pumping Depth To Water: 13 ft.
Pumping Rate: <.5 l/min Spec. Capacity:
Volume Pumped: 5 gallons

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

BORING # MW-3
Page 1 of 1

LOG OF BORING

Project Rite Aid — Location 350 Niagara Street, Buffalo — Permit #:
Date Drilled 9/9/2014 — Drilling Co.: Naturesway — Job #:
Total Depth 25 ft. — Method Used: Hollow Stem Augers
Inspector P. von Schondorf — Organic Vapor Inst: PID — Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Rec. (inches)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
						First attempt august refusal at 2.5 ft. moved 2 ft. north. 8 -inches of asphalt.		
2	1	5-6-5	0.5 - 2 ft.	12	0	Fill, gravel, sand little silt	Fill	
4	2	32-9-8-13	2 - 4 ft.	20	0	Fill, gravel, sand little silt	Fill	
6	3	NR	4-6 ft.	15	0	Fill to 5.5 ft, Gray Sand, little silt, moist. Slight odor	SM	Good
8	4	1-2-9-16	6-8 ft.	20	0	Brown gray sand little silt. @7 ft. Black sand/silt (coal fine Fill?), @7.5 ft. Clay.	SM/CL	Good-Poor
10	5	11-18-26-32	8-10 ft.	15	0	Brown Clay, hard, gray mottle/fractures dry, slightly plastic when wet.	CL	Poor
12								
14								
16	6	6-14-15-19	13-15 ft.	20	0	Brown Silt, little fine sand and clay. Varved. Wet, Stiff - hard.	ML	Poor
18								
20	7	5-19-25-26	18 - 20 ft.	15	0	Brown very fine Sand and silt. Varved. Wet. Hard.	SM	Poor
22								
25	8	3-3-5-8	23-25 ft.	15	0	Brown Clay varved with very fine sand, wet-moist.	CL/SM	Poor

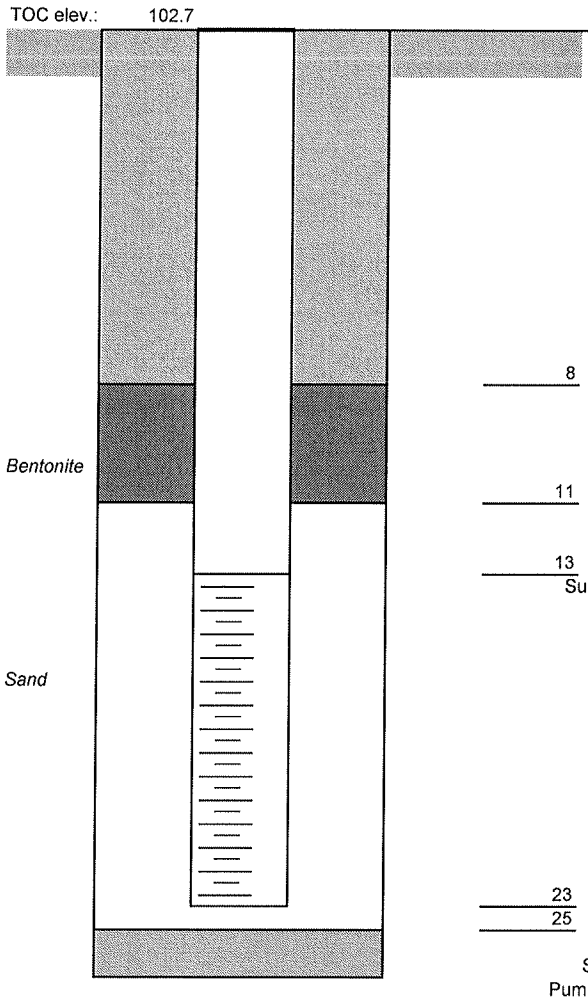
LEADER PROFESSIONAL SERVICES

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WELL CONSTRUCTION SUMMARY

Project: Rite Aid 350 Niagara Street, Buffalo Location: Buffalo, NY Well No.: MW-3
Permit No.:

TOC elev.: Not Determined



DRILLING SUMMARY

Drilling Company: Naturesway Drillers: Steve
Drill Rig/Model: Hollow Stem Augers
Borehole Diameters: 8-inch Drilling Fluid: None
Bits/Depths:
Total Depth: 25 ft. Depth To Water: 7 ft.
Supervisor Geologist: P. von Schondorf

WELL DESIGN

8	Casing Material:	PVC	Diameter:	2-inch
	Screen Size:		Diameter:	2-inch
	Slot Size:	0.02	Setting:	13 to 23 ft.
	Backfill		Setting:	
11	Filter Material:	Sand	Setting:	11 to 25 feet
	Seals Material:	Bentonite	Setting:	8 to 11 feet
	Gravel Cap	Sand	Setting:	0.5 to 1.5 ft.
13	Grout:	Cement	Setting:	1.5 to 11 ft.
	Surface Casing Material:	Steel roadbox	Setting:	

TIME LOG

	Started	Completed
Drilling:	9-Sep-14	9-Sep-14
Installation:	9-Sep-14	9-Sep-14
Development:	11-Sep-14	9/11/2014

WELL DEVELOPMENT

23
25

Method: Pumping
Static Depth to Water: 7.03
Pumping Depth To Water: 13
Pumping Rate: <.5 l/min Spec. Capacity:
Volume Pumped: 5 gallons

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # MW-4
Page 1 of 1

Project Rite Aid — Location 350 Niagara Street, Buffalo — Permit #:
Date Drilled 9/8/2014 — Drilling Co.: Naturesway — Job #:
Total Depth 24.75 ft. — Method Used: Hollow Stem Augers
Inspector P. von Schondorf — Organic Vapor Inst: PID — Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Rec. (inches)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2								
4						Auger through fill, gravel, concrete, brick.		
6								
8	1	2-2-3-5	5 -7 ft.	15	0	Fill, Brown silt, gravel, concrete.	Fill	Good
10								
12	2	5-12-6-7	9 - 11 ft.	20	0	Brown Silt, some clay and fine sand. Moist to wet.	ML	Poor
14								
16	3	10-24-20-21	14 -16 ft.	15	0	Brown Silt, and fine sand @ 15.5 ft. Yellow silt and very fine sand, wet. hard.	ML	Poor
18								
20								
22	4	6-11-12-15	19 - 21 ft.	18	0	Brown very fine Sand and silt, occ. Coarse sand and clay, wet.	SM	Poor
24.75	5	NR	24 - 24.75	.5	0	Brown Gravel and sand, Refusal @24.75 ft.	GM	Good

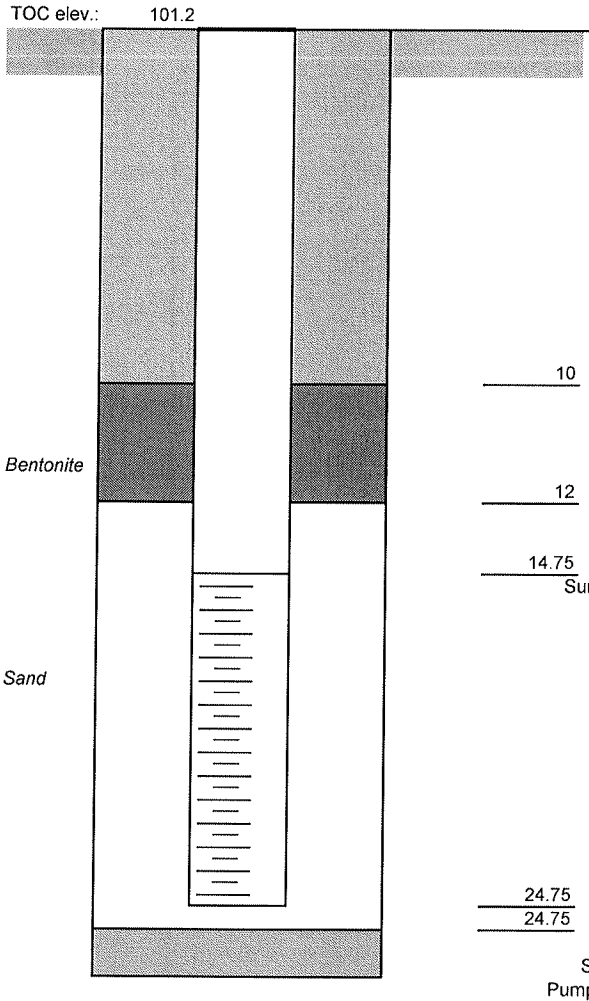
LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

WELL CONSTRUCTION SUMMARY

Project: Rite Aid 350 Niagara Street, Buffalo | Location: Buffalo, NY | Well No.: MW-4 | Permit No.:

TOC elev.: Not Determined



DRILLING SUMMARY

Drilling Company: Naturesway | Drillers: Steve
Drill Rig/Model: Hollow Stem Augers
Borehole Diameters: 8-inch | Drilling Fluid: None
Bits/Depths:
Total Depth: 25 ft. | Depth To Water: 7 ft.
Supervisor Geologist: P. von Schondorf

WELL DESIGN

10	Casing Material:	PVC	Diameter:	2-inch
	Screen Size:		Diameter:	2-inch
	Slot Size:	0.02	Setting:	14.75 to 24.75 ft.
	Backfill		Setting:	
12	Filter Material:	Sand	Setting:	12 to 24.75 t
	Seals Material:	Bentonite	Setting:	10 to 12 feet
	Gravel Cap	Sand	Setting:	0.5 to 1.5 ft.
14.75	Grout:	Cement	Setting:	1.5 to 11 ft.
	Surface Casing Material:	Steel roadbox	Setting:	

TIME LOG

	Started	Completed
Drilling:	8-Sep-14	8-Sep-14
Installation:	8-Sep-14	8-Sep-14
Development:	11-Sep-14	9/11/2014

WELL DEVELOPMENT

24.75
24.75

Method: Pumping
Static Depth to Water: 7.7
Pumping Depth To Water: 10
Pumping Rate: <.5 l/min | Spec. Capacity:
Volume Pumped: 5 gallons

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING # MW-5
Page 1 of 1
Permit #:
Job #:

Project Rite Aid
Location 350 Niagara Street, Buffalo
Date Drilled 9/8/2014
Drilling Co.: Naturesway
Total Depth 23.5 ft.
Method Used: Hollow Stem Augers
Inspector P. von Schondorf
Organic Vapor Inst: PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Rec. (inches)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2								
4						Auger through fill, gravel, concrete, brick.		
6	1	2-2-2-4	4-6 ft.	18	0	Brown Silt and clay, slightly plastic moist, soft to stiff	ML	Poor
8	2	1-2-2-2	6 - 8 ft.	15	0	Brown Clay-silt, @7.75 ft sand. Wet, slightly plastic, soft.	CL/ML	Poor
10	3	1-2-5-10	8 - 10 ft.	18	0	Brown Clay varved with very fine sand. Wet. Stiff.	CL/ML	Poor
12	4	NR	10 -12 ft.	18	0	Brown very fine Sand, little silt wet, stiff-hard.	SM	Poor
14	5	NR	12 - 14 ft.	20	0	Same as above.	SM	Poor
16	6	9-16-15-11	14 -16 ft.	15	0	Same as above with yellow mottling. hard, wet.	SM	Poor
18	7	6-11-14-16	16 -18 ft.	18	0	Same as above.	SM	Poor
20	8	12-16-16-20	18 - 20 ft.	18	0	Same as above	SM	Poor
22						Auger refusal at 23.5 ft.		
23.5						Total Depth 23.5 ft.		

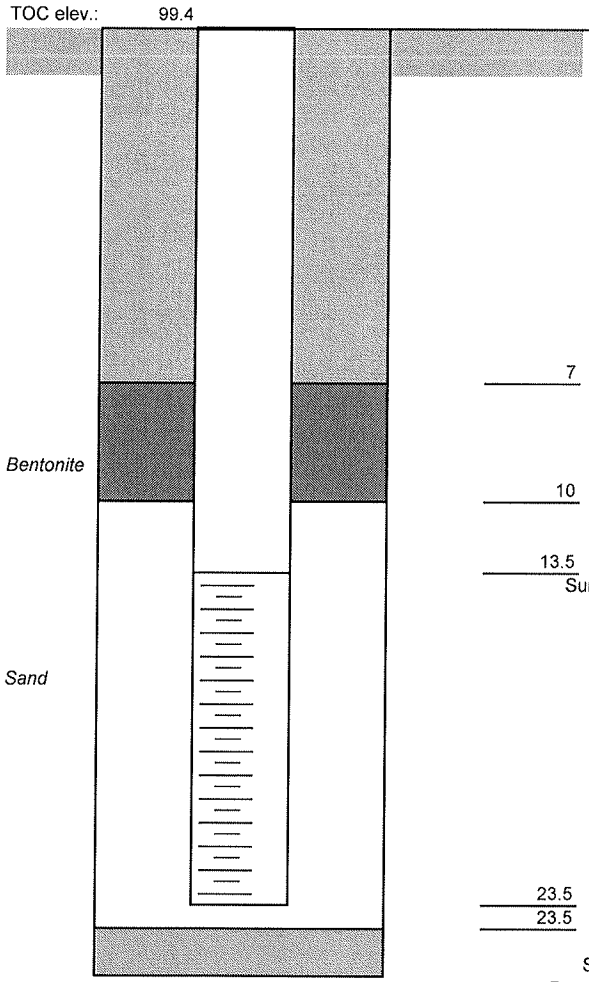
LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

WELL CONSTRUCTION SUMMARY

Project: Rite Aid 350 Niagara Street, Buffalo | Location: Buffalo, NY | Well No.: MW-5 | Permit No.:

TOC elev.: Not Determined



DRILLING SUMMARY

Drilling Company: Naturesway | Drillers: Steve
Drill Rig/Model: Hollow Stem Augers
Borehole Diameters: 8-inch | Drilling Fluid: None
Bits/Depths:
Total Depth: 23.5 ft. | Depth To Water: 6.4 ft.
Supervisor Geologist: P. von Schondorf

WELL DESIGN

7	Casing Material:	PVC	Diameter:	2-inch
	Screen Size:		Diameter:	2-inch
	Slot Size:	0.02	Setting:	13.5 to 23.5 ft.
	Backfill		Setting:	
10	Filter Material:	Sand	Setting:	10 to 23.5ft. t
	Seals Material:	Bentonite	Setting:	7 to 10 feet
	Gravel Cap	Sand	Setting:	0.5 to 1.5 ft.
13.5	Grout:	Cement	Setting:	1.5 to 11 ft.
	Surface Casing Material:	Steel roadbox	Setting:	

TIME LOG

	Started	Completed
Drilling:	8-Sep-14	8-Sep-14
Installation:	8-Sep-14	8-Sep-14
Development:	11-Sep-14	11-Sep-14

WELL DEVELOPMENT

23.5
23.5

Method: Pumping
Static Depth to Water: 6.4
Pumping Depth To Water: 13
Pumping Rate: <.5 l/min | Spec. Capacity:
Volume Pumped: 5 gallons

Appendix B
Laboratory Results

Soil Gas Results

July 29, 2014

Service Request No: R1405444

Mr. Peter von Schondorf
Leader Professional Services, Inc.
271 Marsh Road
Suite 2
Pittsford, NY 14534

Laboratory Results for: 350 Niagara Street

Dear Mr. von Schondorf:

Enclosed are the results of the sample(s) submitted to our laboratory on July 15, 2014. For your reference, these analyses have been assigned our service request number **R1405444.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7470. You may also contact me via email at Carlton.Beechler@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Carlton Beechler
Project Manager

ADDRESS 1565 Jefferson Rd, Building 300, Suite 360, Rochester, NY 14623 PHONE 585-288-5380 | FAX 585-288-8475
ALS GROUP USA, CORP. Part of the ALS Group An ALS Limited Company

Environmental | www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

Client:	Leader Professional Services	**Service Request No.:**	R1405444
Project:	350 Niagara St.	**Date Received:**	7/15/14
Sample Matrix:	Air		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental (ALS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses.

Sample Receipt

Seven (7) 6 liter air canisters were collected by the client on 7/15/14 and were received for analysis at ALS on the same day as sampled.

Volatile Organic Compounds by TO-15

Seven (7) air samples were analyzed for the standard list of air compounds by Method TO-15 and Library Searches.

A Library Search against NIST/EPA Library was conducted on the sample and blanks for TO-15 analysis. The 15 largest peaks within 10% of the nearest Internal Standard (IS) were searched. A summary of the detected peaks is included following the target data. Any analytes detected are quantitated based on the closet IS and are reported with a "J" as estimated. The flag "N" on the Tentatively Identified Compound (TIC) indicates the presumptive evidence of a particular compound.

All surrogate recoveries were within acceptance limits.

Batch QC is included in the report. The Laboratory Control Sample (LCS) recoveries were within QC limits.

The Laboratory Method Blanks were free from contamination except for several compound hits below the Method Reporting Limits (MRL) but above the Method Detection Limit (MDL). Hits between the MRL and MDL are flagged as "J", estimated. Affected samples are flagged as "B" appropriately.

The samples were analyzed within the proper holding time for this analysis.

No problems were encountered during the analysis of these samples.

Approved by Karen Burke Date 7/29/14

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1405444

Lab ID	Client ID
R1405444-001	AMB-1
R1405444-002	SV-1
R1405444-003	SV-2
R1405444-004	SV-3
R1405444-005	SV-4
R1405444-006	SV-5
R1405444-007	SV-6

ALS Environmental

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% (25% for CLP) difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

ACCREDITED IN ACCORDANCE WITH nelac

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Air

Service Request: R1405444
Date Collected: 7/15/14
Date Received: 7/15/14

Sample Name: AMB-1
Lab Code: R1405444-001

Analytical Method: TO-15

Date Analyzed: 7/17/14 1602
Canister Dilution Factor: 1.29

Initial Pressure (psig): -0.54 Final Pressure (psig): 3.57

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
74-87-3	**Chloromethane**	800	**1.1**	0.73	0.017	**0.51**	0.35	0.0079	
75-01-4	Vinyl Chloride	800	0.023	0.097	0.023	0.0089	0.038	0.0089	U
74-83-9	Bromomethane	800	0.052	0.69	0.052	0.014	0.18	0.014	U
75-00-3	Chloroethane	800	0.038	0.94	0.038	0.015	0.35	0.015	U
67-64-1	**Acetone**	800	**6.9**	8.1	0.31	**2.9**	3.4	0.13	J
75-69-4	**Trichlorofluoromethane (CFC 11)**	800	**1.3**	1.0	0.036	**0.23**	0.18	0.0064	
75-35-4	1,1-Dichloroethene	800	0.018	0.71	0.018	0.0045	0.18	0.0045	U
75-09-2	**Methylene Chloride**	800	**0.32**	0.61	0.031	**0.093**	0.18	0.0089	J
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane**	800	**0.59**	0.27	0.063	**0.076**	0.036	0.0082	
75-15-0	**Carbon Disulfide**	800	**0.051**	0.55	0.017	**0.016**	0.18	0.0052	BJ
156-60-5	trans-1,2-Dichloroethene	800	0.020	0.71	0.020	0.0049	0.18	0.0049	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	800	0.028	0.73	0.028	0.0068	0.18	0.0068	U
1634-04-4	Methyl tert-Butyl Ether	800	0.017	1.3	0.017	0.0045	0.35	0.0045	U
108-05-4	Vinyl Acetate	800	0.017	8.1	0.017	0.0046	2.3	0.0046	U
78-93-3	**2-Butanone (MEK)**	800	**0.95**	1.0	0.034	**0.32**	0.36	0.012	J
156-59-2	cis-1,2-Dichloroethene	800	0.030	0.71	0.030	0.0074	0.18	0.0074	U
67-66-3	**Chloroform**	800	**0.10**	0.87	0.044	**0.021**	0.18	0.0090	J
107-06-2	**1,2-Dichloroethane**	800	**0.046**	0.73	0.038	**0.011**	0.18	0.0092	J
71-55-6	1,1,1-Trichloroethane (TCA)	800	0.060	0.97	0.060	0.011	0.18	0.011	U
71-43-2	**Benzene**	800	**0.47**	0.56	0.017	**0.15**	0.18	0.0051	J
56-23-5	**Carbon Tetrachloride**	800	**0.48**	0.11	0.049	**0.076**	0.018	0.0077	
78-87-5	1,2-Dichloropropane	800	0.030	0.82	0.030	**0.0064**	0.18	0.0063	U
75-27-4	Bromodichloromethane	800	0.070	0.24	0.070	0.011	0.036	0.011	U
79-01-6	Trichloroethene (TCE)	800	0.039	0.097	0.039	0.0073	0.018	0.0073	U
10061-01-5	cis-1,3-Dichloropropene	800	0.023	1.6	0.023	0.0050	0.36	0.0050	U
108-10-1	4-Methyl-2-pentanone	800	0.017	1.5	0.017	0.0040	0.35	0.0040	U
10061-02-6	trans-1,3-Dichloropropene	800	0.021	0.81	0.021	0.0047	0.18	0.0047	U
79-00-5	1,1,2-Trichloroethane	800	0.057	0.97	0.057	0.011	0.18	0.011	U
108-88-3	**Toluene**	800	**0.81**	0.66	0.017	**0.21**	0.18	0.0043	
591-78-6	**2-Hexanone**	800	**0.042**	0.73	0.023	**0.010**	0.18	0.0056	J
124-48-1	Dibromochloromethane	800	0.060	0.31	0.060	0.0071	0.036	0.0071	U
106-93-4	1,2-Dibromoethane	800	0.055	0.27	0.055	0.0072	0.036	0.0072	U
127-18-4	**Tetrachloroethene (PCE)**	800	**0.047**	0.13	0.046	**0.0069**	0.019	0.0067	J
108-90-7	Chlorobenzene	800	0.038	0.82	0.038	0.0081	0.18	0.0081	U
100-41-4	**Ethylbenzene**	800	**0.14**	1.5	0.018	**0.033**	0.35	0.0041	J
179601-23-1	**m,p-Xylenes**	800	**0.35**	3.1	0.030	**0.082**	0.71	0.0067	J
75-25-2	Bromoform	800	0.081	1.8	0.081	0.0079	0.18	0.0079	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	AMB-1		
Lab Code:	R1405444-001		

Analytical Method: TO-15

Date Analyzed: 7/17/14 1602
Canister Dilution Factor: 1.29

Initial Pressure (psig): -0.54 Final Pressure (psig): 3.57

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
100-42-5	Styrene	800	0.017	1.5	0.017	0.0038	0.36	0.0038	U
95-47-6	**o-Xylene**	800	**0.14**	1.5	0.017	**0.033**	0.35	0.0038	J
79-34-5	1,1,2,2-Tetrachloroethane	800	0.052	0.24	0.052	0.0076	0.035	0.0076	U
541-73-1	1,3-Dichlorobenzene	800	0.041	2.1	0.041	0.0068	0.35	0.0068	U
106-46-7	1,4-Dichlorobenzene	800	0.030	2.1	0.030	0.0049	0.35	0.0049	U
95-50-1	1,2-Dichlorobenzene	800	0.038	2.1	0.038	0.0062	0.35	0.0062	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	100	70-130	7/17/14 1602	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 1602

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Sample Name:	AMB-1	**Units:**	µg/m³
Lab Code:	R1405444-001	**Basis:**	NA

Analytical Method: TO-15 **Canister Dilution Factor:** 1.29

Initial Pressure (psig): -0.5 Final Pressure (psig): 3.6

CAS #	Analyte Name	RT	Result	Q
000124-19-6	Nonanal	25.58	6.8	JN
000112-31-2	Decanal	27.64	3.6	JN

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-1		
Lab Code:	R1405444-002		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1644

Canister Dilution Factor: 1.46

Initial Pressure (psig): -2.16 Final Pressure (psig): 3.64

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
74-87-3	**Chloromethane**	50	**1.9**	13	0.30	**0.91**	6.4	0.15	J
75-01-4	Vinyl Chloride	50	0.41	1.8	0.41	0.16	0.69	0.16	U
74-83-9	Bromomethane	50	0.94	13	0.94	0.25	3.2	0.25	U
75-00-3	Chloroethane	50	0.68	17	0.68	0.26	6.4	0.26	U
67-64-1	**Acetone**	50	**670**	150	5.5	**280**	61	2.3	
75-69-4	**Trichlorofluoromethane (CFC 11)**	50	**1.6**	18	0.65	**0.29**	3.2	0.12	J
75-35-4	1,1-Dichloroethene	50	0.33	13	0.33	0.082	3.2	0.082	U
75-09-2	Methylene Chloride	50	0.56	11	0.56	0.16	3.2	0.16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	1.2	5.0	1.2	0.15	0.65	0.15	U
75-15-0	**Carbon Disulfide**	50	**63**	9.9	0.30	**20**	3.2	0.094	
156-60-5	trans-1,2-Dichloroethene	50	0.36	13	0.36	0.089	3.2	0.089	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	50	0.50	13	0.50	0.13	3.2	0.13	U
1634-04-4	Methyl tert-Butyl Ether	50	0.30	23	0.30	0.082	6.4	0.082	U
108-05-4	Vinyl Acetate	50	0.30	150	0.30	0.083	41	0.083	U
78-93-3	**2-Butanone (MEK)**	50	**29**	19	0.62	**9.7**	6.4	0.21	
156-59-2	cis-1,2-Dichloroethene	50	0.53	13	0.53	0.14	3.2	0.14	U
67-66-3	**Chloroform**	50	**4.4**	16	0.79	**0.89**	3.2	0.17	J
107-06-2	1,2-Dichloroethane	50	0.68	13	0.68	0.17	3.2	0.17	U
71-55-6	1,1,1-Trichloroethane (TCA)	50	1.1	18	1.1	0.20	3.2	0.20	U
71-43-2	**Benzene**	50	**29**	10	0.30	**9.1**	3.2	0.092	
56-23-5	Carbon Tetrachloride	50	0.88	2.0	0.88	0.14	0.33	0.14	U
78-87-5	1,2-Dichloropropane	50	0.53	15	0.53	0.12	3.2	0.12	U
75-27-4	Bromodichloromethane	50	1.3	4.4	1.3	0.19	0.65	0.19	U
79-01-6	Trichloroethene (TCE)	50	0.71	1.8	0.71	0.14	0.33	0.14	U
10061-01-5	cis-1,3-Dichloropropene	50	0.41	29	0.41	0.091	6.4	0.091	U
108-10-1	4-Methyl-2-pentanone	50	0.30	26	0.30	0.072	6.4	0.072	U
10061-02-6	trans-1,3-Dichloropropene	50	0.38	15	0.38	0.084	3.2	0.084	U
79-00-5	1,1,2-Trichloroethane	50	1.1	18	1.1	0.19	3.2	0.19	U
108-88-3	**Toluene**	50	**66**	12	0.30	**17**	3.2	0.078	
591-78-6	**2-Hexanone**	50	**6.6**	13	0.41	**1.6**	3.2	0.10	J
124-48-1	Dibromochloromethane	50	1.1	5.5	1.1	0.13	0.65	0.13	U
106-93-4	1,2-Dibromoethane	50	1.0	5.0	1.0	0.13	0.65	0.13	U
127-18-4	**Tetrachloroethene (PCE)**	50	**31**	2.3	0.82	**4.5**	0.34	0.13	
108-90-7	Chlorobenzene	50	0.68	15	0.68	0.15	3.2	0.15	U
100-41-4	**Ethylbenzene**	50	**8.1**	28	0.33	**1.9**	6.4	0.074	J
179601-23-1	**m,p-Xylenes**	50	**42**	56	0.53	**9.7**	13	0.13	J
75-25-2	Bromoform	50	1.5	33	1.5	0.15	3.2	0.15	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-1		
Lab Code:	R1405444-002		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1644

Canister Dilution Factor: 1.46

Initial Pressure (psig): -2.16 Final Pressure (psig): 3.64

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
100-42-5	Styrene	50	0.30	27	0.30	0.069	6.4	0.069	U
95-47-6	**o-Xylene**	50	**11**	28	0.30	**2.4**	6.4	0.068	J
79-34-5	1,1,2,2-Tetrachloroethane	50	0.94	4.4	0.94	0.14	0.64	0.14	U
541-73-1	1,3-Dichlorobenzene	50	0.73	39	0.73	0.13	6.4	0.13	U
106-46-7	1,4-Dichlorobenzene	50	0.53	39	0.53	0.088	6.4	0.088	U
95-50-1	1,2-Dichlorobenzene	50	0.68	39	0.68	0.12	6.4	0.12	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	102	70-130	7/17/14 1644	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 1644

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Sample Name:	SV-1	**Units:**	µg/m³
Lab Code:	R1405444-002	**Basis:**	NA

Analytical Method: TO-15 **Canister Dilution Factor:** 1.46

Initial Pressure (psig): -2.2 Final Pressure (psig): 3.6

CAS #	Analyte Name	RT	Result	Q
	unknown	5.47	**320**	J
	unknown	5.95	**190**	J
	unknown	6.34	**510**	J
000075-07-0	Acetaldehyde	6.67	**110**	JN
000078-78-4	Butane, 2-methyl-	7.61	**280**	JN
000109-66-0	Pentane	8.18	**320**	JN
000107-83-5	Pentane, 2-methyl-	10.05	**210**	JN
000096-14-0	Pentane, 3-methyl-	10.52	**120**	JN
000110-54-3	Hexane	11.00	**310**	JN
000096-37-7	Cyclopentane, methyl-	12.13	**130**	JN
000110-82-7	Cyclohexane	13.28	**380**	JN
000142-82-5	Heptane	14.14	**190**	JN
000108-87-2	Cyclohexane, methyl-	15.20	**410**	JN
000591-21-9	Cyclohexane, 1,3-dimethyl-	16.83	**130**	JN
	unknown	22.85	**200**	J
	unknown	23.36	**950**	J
005989-27-5	D-Limonene	23.52	**220**	JN
	unknown	23.82	**770**	J
	unknown	24.21	**360**	J

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-2		
Lab Code:	R1405444-003		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1726

Canister Dilution Factor: 1.63

Initial Pressure (psig): -3.49 Final Pressure (psig): 3.57

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
74-87-3	**Chloromethane**	65	**4.6**	11	0.26	**2.2**	5.5	0.13	J
75-01-4	Vinyl Chloride	65	0.36	1.5	0.36	0.14	0.59	0.14	U
74-83-9	Bromomethane	65	0.81	11	0.81	0.21	2.8	0.21	U
75-00-3	Chloroethane	65	0.58	15	0.58	0.22	5.5	0.22	U
67-64-1	**Acetone**	65	**470**	130	4.7	**200**	53	2.0	
75-69-4	**Trichlorofluoromethane (CFC 11)**	65	**1.9**	16	0.56	**0.34**	2.8	0.099	J
75-35-4	1,1-Dichloroethene	65	0.28	11	0.28	0.070	2.8	0.070	U
75-09-2	Methylene Chloride	65	0.48	9.5	0.48	0.14	2.7	0.14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	65	0.98	4.3	0.98	0.13	0.56	0.13	U
75-15-0	**Carbon Disulfide**	65	**62**	8.5	0.26	**20**	2.7	0.081	
156-60-5	trans-1,2-Dichloroethene	65	0.31	11	0.31	0.076	2.8	0.076	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	65	0.43	11	0.43	0.11	2.8	0.11	U
1634-04-4	Methyl tert-Butyl Ether	65	0.26	20	0.26	0.070	5.5	0.070	U
108-05-4	Vinyl Acetate	65	0.26	130	0.26	0.072	36	0.072	U
78-93-3	**2-Butanone (MEK)**	65	**64**	16	0.53	**22**	5.5	0.18	
156-59-2	cis-1,2-Dichloroethene	65	0.46	11	0.46	0.12	2.8	0.12	U
67-66-3	Chloroform	65	0.68	14	0.68	0.14	2.8	0.14	U
107-06-2	1,2-Dichloroethane	65	0.58	11	0.58	0.15	2.8	0.15	U
71-55-6	1,1,1-Trichloroethane (TCA)	65	0.93	15	0.93	0.18	2.8	0.18	U
71-43-2	**Benzene**	65	**53**	8.8	0.26	**17**	2.7	0.079	
56-23-5	Carbon Tetrachloride	65	0.76	1.8	0.76	0.12	0.28	0.12	U
78-87-5	1,2-Dichloropropane	65	0.46	13	0.46	0.098	2.8	0.098	U
75-27-4	Bromodichloromethane	65	1.1	3.8	1.1	0.17	0.56	0.17	U
79-01-6	Trichloroethene (TCE)	65	0.61	1.5	0.61	0.12	0.28	0.12	U
10061-01-5	cis-1,3-Dichloropropene	65	0.36	25	0.36	0.078	5.5	0.078	U
108-10-1	4-Methyl-2-pentanone	65	0.26	23	0.26	0.062	5.5	0.062	U
10061-02-6	trans-1,3-Dichloropropene	65	0.33	13	0.33	0.072	2.8	0.072	U
79-00-5	1,1,2-Trichloroethane	65	0.88	15	0.88	0.17	2.8	0.17	U
108-88-3	**Toluene**	65	**82**	10	0.26	**22**	2.7	0.067	
591-78-6	2-Hexanone	65	0.36	11	0.36	0.086	2.8	0.086	U
124-48-1	Dibromochloromethane	65	0.93	4.8	0.93	0.11	0.56	0.11	U
106-93-4	1,2-Dibromoethane	65	0.86	4.3	0.86	0.12	0.55	0.12	U
127-18-4	**Tetrachloroethene (PCE)**	65	**3.2**	2.0	0.71	**0.47**	0.30	0.11	
108-90-7	Chlorobenzene	65	0.58	13	0.58	0.13	2.8	0.13	U
100-41-4	**Ethylbenzene**	65	**11**	24	0.28	**2.6**	5.5	0.064	J
179601-23-1	**m,p-Xylenes**	65	**52**	48	0.46	**12**	11	0.11	
75-25-2	Bromoform	65	1.3	29	1.3	0.13	2.8	0.13	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-2		
Lab Code:	R1405444-003		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1726

Canister Dilution Factor: 1.63

Initial Pressure (psig): -3.49 Final Pressure (psig): 3.57

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
100-42-5	Styrene	65	0.26	24	0.26	0.059	5.5	0.059	U
95-47-6	**o-Xylene**	65	**15**	24	0.26	**3.4**	5.5	0.058	J
79-34-5	1,1,2,2-Tetrachloroethane	65	0.81	3.8	0.81	0.12	0.55	0.12	U
541-73-1	1,3-Dichlorobenzene	65	0.63	33	0.63	0.11	5.5	0.11	U
106-46-7	1,4-Dichlorobenzene	65	0.46	33	0.46	0.076	5.5	0.076	U
95-50-1	1,2-Dichlorobenzene	65	0.58	33	0.58	0.096	5.5	0.096	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	101	70-130	7/17/14 1726	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 1726

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Sample Name:	SV-2	**Units:**	µg/m³
Lab Code:	R1405444-003	**Basis:**	NA

Analytical Method: TO-15 **Canister Dilution Factor:** 1.63

Initial Pressure (psig): -3.5 Final Pressure (psig): 3.6

CAS #	Analyte Name	RT	Result	Q
	unknown	5.47	**4000**	J
	unknown	5.95	**1100**	J
	unknown	6.35	**4600**	J
	unknown	6.55	**370**	J
000078-78-4	Butane, 2-methyl-	7.60	**1700**	JN
000109-66-0	Pentane	8.18	**3300**	JN
000563-46-2	1-Butene, 2-methyl-	8.48	**360**	JN
000107-83-5	Pentane, 2-methyl-	10.05	**790**	JN
000096-14-0	Pentane, 3-methyl-	10.52	**680**	JN
000110-54-3	Hexane	11.00	**1600**	JN
000591-76-4	Hexane, 2-methyl-	13.11	**370**	JN
000110-82-7	Cyclohexane	13.28	**650**	JN
000589-34-4	Hexane, 3-methyl-	13.42	**530**	JN
000142-82-5	Heptane	14.14	**530**	JN
000108-87-2	Cyclohexane, methyl-	15.20	**570**	JN
000111-65-9	Octane	17.09	**380**	JN
	unknown	23.36	**1000**	J
	unknown	23.82	**860**	J
	unknown	24.21	**430**	J

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-3		
Lab Code:	R1405444-004		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1809

Canister Dilution Factor: 1.50

Initial Pressure (psig): -2.55 Final Pressure (psig): 3.51

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
74-87-3	Chloromethane	54	0.28	13	0.28	0.14	6.1	0.14	U
75-01-4	Vinyl Chloride	54	0.39	1.7	0.39	0.16	0.65	0.16	U
74-83-9	Bromomethane	54	0.89	12	0.89	0.23	3.1	0.23	U
75-00-3	Chloroethane	54	0.64	16	0.64	0.25	6.1	0.25	U
67-64-1	**Acetone**	54	**450**	140	5.2	**190**	58	2.2	
75-69-4	**Trichlorofluoromethane (CFC 11)**	54	**1.9**	17	0.62	**0.34**	3.1	0.11	J
75-35-4	1,1-Dichloroethene	54	0.31	12	0.31	0.078	3.1	0.078	U
75-09-2	Methylene Chloride	54	0.53	11	0.53	0.16	3.0	0.16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	54	1.1	4.7	1.1	0.15	0.62	0.15	U
75-15-0	**Carbon Disulfide**	54	**13**	9.4	0.28	**4.0**	3.0	0.090	
156-60-5	trans-1,2-Dichloroethene	54	0.34	12	0.34	0.085	3.1	0.085	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	54	0.48	13	0.48	0.12	3.1	0.12	U
1634-04-4	Methyl tert-Butyl Ether	54	0.28	22	0.28	0.078	6.1	0.078	U
108-05-4	Vinyl Acetate	54	0.28	140	0.28	0.079	39	0.079	U
78-93-3	**2-Butanone (MEK)**	54	**11**	18	0.59	**3.6**	6.1	0.20	J
156-59-2	cis-1,2-Dichloroethene	54	0.50	12	0.50	0.13	3.1	0.13	U
67-66-3	**Chloroform**	54	**20**	15	0.75	**4.0**	3.1	0.16	
107-06-2	1,2-Dichloroethane	54	0.64	13	0.64	0.16	3.1	0.16	U
71-55-6	1,1,1-Trichloroethane (TCA)	54	1.1	17	1.1	0.19	3.1	0.19	U
71-43-2	**Benzene**	54	**15**	9.7	0.28	**4.6**	3.0	0.087	
56-23-5	Carbon Tetrachloride	54	0.84	1.9	0.84	0.14	0.31	0.14	U
78-87-5	1,2-Dichloropropane	54	0.50	14	0.50	0.11	3.1	0.11	U
75-27-4	Bromodichloromethane	54	1.2	4.2	1.2	0.18	0.62	0.18	U
79-01-6	Trichloroethene (TCE)	54	0.67	1.7	0.67	0.13	0.31	0.13	U
10061-01-5	cis-1,3-Dichloropropene	54	0.39	28	0.39	0.086	6.1	0.086	U
108-10-1	4-Methyl-2-pentanone	54	0.28	25	0.28	0.068	6.1	0.068	U
10061-02-6	trans-1,3-Dichloropropene	54	0.37	14	0.37	0.080	3.1	0.080	U
79-00-5	1,1,2-Trichloroethane	54	0.98	17	0.98	0.18	3.1	0.18	U
108-88-3	**Toluene**	54	**35**	11	0.28	**9.3**	3.0	0.074	
591-78-6	**2-Hexanone**	54	**2.1**	13	0.39	**0.51**	3.1	0.095	J
124-48-1	Dibromochloromethane	54	1.1	5.3	1.1	0.13	0.62	0.13	U
106-93-4	1,2-Dibromoethane	54	0.95	4.7	0.95	0.13	0.61	0.13	U
127-18-4	**Tetrachloroethene (PCE)**	54	**17**	2.2	0.78	**2.5**	0.33	0.12	
108-90-7	Chlorobenzene	54	0.64	14	0.64	0.14	3.1	0.14	U
100-41-4	**Ethylbenzene**	54	**6.5**	26	0.31	**1.5**	6.1	0.071	J
179601-23-1	**m,p-Xylenes**	54	**28**	53	0.50	**6.5**	12	0.12	J
75-25-2	Bromoform	54	1.4	32	1.4	0.14	3.1	0.14	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-3		
Lab Code:	R1405444-004		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1809

Canister Dilution Factor: 1.50

Initial Pressure (psig): -2.55 Final Pressure (psig): 3.51

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
100-42-5	Styrene	54	0.28	26	0.28	0.066	6.1	0.066	U
95-47-6	**o-Xylene**	54	**9.9**	26	0.28	**2.3**	6.1	0.064	J
79-34-5	1,1,2,2-Tetrachloroethane	54	0.89	4.2	0.89	0.13	0.61	0.13	U
541-73-1	1,3-Dichlorobenzene	54	0.70	37	0.70	0.12	6.1	0.12	U
106-46-7	1,4-Dichlorobenzene	54	0.50	37	0.50	0.084	6.1	0.084	U
95-50-1	1,2-Dichlorobenzene	54	0.64	37	0.64	0.11	6.1	0.11	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	104	70-130	7/17/14 1809	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 1809

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Sample Name:	SV-3	**Units:**	µg/m³
Lab Code:	R1405444-004	**Basis:**	NA

Analytical Method: TO-15 **Canister Dilution Factor:** 1.50

Initial Pressure (psig): -2.6 Final Pressure (psig): 3.5

CAS #	Analyte Name	RT	Result	Q
	unknown	6.33	**240**	J
000078-78-4	Butane, 2-methyl-	7.60	**160**	JN
000109-66-0	Pentane	8.18	**200**	JN
000107-83-5	Pentane, 2-methyl-	10.05	**150**	JN
000110-54-3	Hexane	11.00	**210**	JN
000110-82-7	Cyclohexane	13.28	**330**	JN
000142-82-5	Heptane	14.14	**99**	JN
000108-87-2	Cyclohexane, methyl-	15.20	**300**	JN
000591-21-9	Cyclohexane, 1,3-dimethyl-	16.83	**100**	JN
	unknown	21.46	**130**	J
	unknown	22.85	**340**	J
	unknown	23.11	**180**	J
	unknown	23.36	**1300**	J
005989-27-5	D-Limonene	23.52	**230**	JN
	unknown	23.63	**160**	J
	unknown	23.73	**99**	J
	unknown	23.82	**1600**	J
	unknown	24.21	**620**	J
	unknown	25.99	**170**	J

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-4		
Lab Code:	R1405444-005		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1851

Canister Dilution Factor: 1.55

Initial Pressure (psig): -2.95 Final Pressure (psig): 3.55

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
74-87-3	Chloromethane	54	0.29	13	0.29	0.14	6.3	0.14	U
75-01-4	Vinyl Chloride	54	0.41	1.7	0.41	0.16	0.67	0.16	U
74-83-9	Bromomethane	54	0.92	12	0.92	0.24	3.2	0.24	U
75-00-3	Chloroethane	54	0.67	17	0.67	0.26	6.3	0.26	U
67-64-1	**Acetone**	54	**500**	140	5.4	**210**	60	2.3	
75-69-4	**Trichlorofluoromethane (CFC 11)**	54	**1.8**	18	0.64	**0.32**	3.2	0.12	J
75-35-4	1,1-Dichloroethene	54	0.32	13	0.32	0.080	3.2	0.080	U
75-09-2	Methylene Chloride	54	0.55	11	0.55	0.16	3.1	0.16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	54	1.2	4.9	1.2	0.15	0.64	0.15	U
75-15-0	**Carbon Disulfide**	54	**250**	9.8	0.29	**82**	3.1	0.093	
156-60-5	trans-1,2-Dichloroethene	54	0.35	13	0.35	0.087	3.2	0.087	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	54	0.49	13	0.49	0.13	3.2	0.13	U
1634-04-4	**Methyl tert-Butyl Ether**	54	**4.9**	23	0.29	**1.3**	6.3	0.080	J
108-05-4	Vinyl Acetate	54	0.29	140	0.29	0.082	41	0.082	U
78-93-3	**2-Butanone (MEK)**	54	**21**	19	0.61	**7.0**	6.3	0.21	
156-59-2	cis-1,2-Dichloroethene	54	0.52	13	0.52	0.14	3.2	0.14	U
67-66-3	**Chloroform**	54	**2.9**	16	0.78	**0.60**	3.2	0.16	J
107-06-2	1,2-Dichloroethane	54	0.67	13	0.67	0.17	3.2	0.17	U
71-55-6	1,1,1-Trichloroethane (TCA)	54	1.1	17	1.1	0.20	3.2	0.20	U
71-43-2	**Benzene**	54	**49**	10	0.29	**15**	3.1	0.090	
56-23-5	Carbon Tetrachloride	54	0.87	2.0	0.87	0.14	0.32	0.14	U
78-87-5	1,2-Dichloropropane	54	0.52	15	0.52	0.12	3.2	0.12	U
75-27-4	Bromodichloromethane	54	1.3	4.3	1.3	0.19	0.64	0.19	U
79-01-6	**Trichloroethene (TCE)**	54	**2.7**	1.7	0.69	**0.49**	0.32	0.13	
10061-01-5	cis-1,3-Dichloropropene	54	0.41	29	0.41	0.089	6.3	0.089	U
108-10-1	4-Methyl-2-pentanone	54	0.29	26	0.29	0.071	6.3	0.071	U
10061-02-6	trans-1,3-Dichloropropene	54	0.38	14	0.38	0.083	3.2	0.083	U
79-00-5	1,1,2-Trichloroethane	54	1.1	17	1.1	0.19	3.2	0.19	U
108-88-3	**Toluene**	54	**92**	12	0.29	**24**	3.1	0.077	
591-78-6	2-Hexanone	54	0.41	13	0.41	0.099	3.2	0.099	U
124-48-1	Dibromochloromethane	54	1.1	5.5	1.1	0.13	0.64	0.13	U
106-93-4	1,2-Dibromoethane	54	0.98	4.9	0.98	0.13	0.64	0.13	U
127-18-4	**Tetrachloroethene (PCE)**	54	**96**	2.3	0.81	**14**	0.34	0.12	
108-90-7	Chlorobenzene	54	0.67	15	0.67	0.15	3.2	0.15	U
100-41-4	**Ethylbenzene**	54	**8.3**	27	0.32	**1.9**	6.3	0.073	J
179601-23-1	**m,p-Xylenes**	54	**30**	55	0.52	**6.9**	13	0.12	J
75-25-2	Bromoform	54	1.5	33	1.5	0.14	3.2	0.14	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-4		
Lab Code:	R1405444-005		

Analytical Method: TO-15

Date Analyzed: 7/17/14 1851
Canister Dilution Factor: 1.55

Initial Pressure (psig): -2.95 Final Pressure (psig): 3.55

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
100-42-5	Styrene	54	0.29	27	0.29	0.068	6.3	0.068	U
95-47-6	**o-Xylene**	54	**9.4**	27	0.29	**2.2**	6.3	0.067	J
79-34-5	1,1,2,2-Tetrachloroethane	54	0.92	4.3	0.92	0.14	0.63	0.14	U
541-73-1	1,3-Dichlorobenzene	54	0.72	38	0.72	0.12	6.3	0.12	U
106-46-7	1,4-Dichlorobenzene	54	0.52	38	0.52	0.086	6.3	0.086	U
95-50-1	1,2-Dichlorobenzene	54	0.67	38	0.67	0.11	6.3	0.11	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	104	70-130	7/17/14 1851	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 1851

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Sample Name:	SV-4	**Units:**	µg/m³
Lab Code:	R1405444-005	**Basis:**	NA

Analytical Method: TO-15 **Canister Dilution Factor:** 1.55

Initial Pressure (psig): -3.0 Final Pressure (psig): 3.6

CAS #	Analyte Name	RT	Result	Q
	unknown	5.46	**860**	J
	unknown	5.95	**500**	J
	unknown	6.34	**880**	J
000078-78-4	Butane, 2-methyl-	7.60	**620**	JN
000109-66-0	Pentane	8.18	**530**	JN
000107-83-5	Pentane, 2-methyl-	10.05	**340**	JN
000096-14-0	Pentane, 3-methyl-	10.51	**170**	JN
000110-54-3	Hexane	11.00	**360**	JN
000096-37-7	Cyclopentane, methyl-	12.13	**160**	JN
000110-82-7	Cyclohexane	13.28	**270**	JN
000142-82-5	Heptane	14.13	**160**	JN
	unknown	22.85	**320**	J
	unknown	23.11	**180**	J
	unknown	23.36	**1300**	J
005989-27-5	D-Limonene	23.52	**220**	JN
	unknown	23.63	**150**	J
	unknown	23.82	**1200**	J
	unknown	24.21	**600**	J
	unknown	25.98	**160**	J

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-5		
Lab Code:	R1405444-006		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1933

Canister Dilution Factor: 1.52

Initial Pressure (psig): -2.65 Final Pressure (psig): 3.64

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
74-87-3	**Chloromethane**	50	**1.3**	14	0.31	**0.61**	6.6	0.15	**J**
75-01-4	Vinyl Chloride	50	0.43	1.8	0.43	0.17	0.71	0.17	U
74-83-9	Bromomethane	50	0.98	13	0.98	0.26	3.4	0.26	U
75-00-3	Chloroethane	50	0.70	18	0.70	0.27	6.7	0.27	U
67-64-1	**Acetone**	50	**530**	150	5.7	**220**	64	2.4	
75-69-4	**Trichlorofluoromethane (CFC 11)**	50	**1.6**	19	0.67	**0.28**	3.4	0.12	J
75-35-4	1,1-Dichloroethene	50	0.34	13	0.34	0.085	3.4	0.085	U
75-09-2	Methylene Chloride	50	0.58	12	0.58	0.17	3.3	0.17	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	1.2	5.2	1.2	0.16	0.67	0.16	U
75-15-0	**Carbon Disulfide**	50	**41**	10	0.31	**13**	3.3	0.098	
156-60-5	trans-1,2-Dichloroethene	50	0.37	13	0.37	0.093	3.4	0.093	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	50	0.52	14	0.52	0.13	3.4	0.13	U
1634-04-4	Methyl tert-Butyl Ether	50	0.31	24	0.31	0.085	6.7	0.085	U
108-05-4	Vinyl Acetate	50	0.31	150	0.31	0.087	43	0.087	U
78-93-3	**2-Butanone (MEK)**	50	**69**	20	0.64	**23**	6.7	0.22	
156-59-2	cis-1,2-Dichloroethene	50	0.55	13	0.55	0.14	3.4	0.14	U
67-66-3	**Chloroform**	50	**8.6**	16	0.83	**1.8**	3.4	0.17	**J**
107-06-2	1,2-Dichloroethane	50	0.70	14	0.70	0.18	3.4	0.18	U
71-55-6	1,1,1-Trichloroethane (TCA)	50	1.2	18	1.2	0.21	3.3	0.21	U
71-43-2	**Benzene**	50	**13**	11	0.31	**4.1**	3.3	0.096	
56-23-5	Carbon Tetrachloride	50	0.92	2.1	0.92	0.15	0.34	0.15	U
78-87-5	1,2-Dichloropropane	50	0.55	16	0.55	0.12	3.4	0.12	U
75-27-4	Bromodichloromethane	50	1.4	4.6	1.4	0.20	0.68	0.20	U
79-01-6	Trichloroethene (TCE)	50	0.73	1.8	0.73	0.14	0.34	0.14	U
10061-01-5	cis-1,3-Dichloropropene	50	0.43	30	0.43	0.094	6.7	0.094	U
108-10-1	4-Methyl-2-pentanone	50	0.31	27	0.31	0.075	6.7	0.075	U
10061-02-6	trans-1,3-Dichloropropene	50	0.40	15	0.40	0.088	3.3	0.088	U
79-00-5	1,1,2-Trichloroethane	50	1.1	18	1.1	0.20	3.3	0.20	U
108-88-3	**Toluene**	50	**33**	12	0.31	**8.7**	3.3	0.081	
591-78-6	**2-Hexanone**	50	**3.4**	14	0.43	**0.82**	3.3	0.11	**J**
124-48-1	Dibromochloromethane	50	1.2	5.8	1.2	0.14	0.68	0.14	U
106-93-4	1,2-Dibromoethane	50	1.1	5.2	1.1	0.14	0.67	0.14	U
127-18-4	**Tetrachloroethene (PCE)**	50	**0.92**	2.4	0.86	**0.13**	0.36	0.13	**J**
108-90-7	Chlorobenzene	50	0.70	16	0.70	0.16	3.4	0.16	U
100-41-4	**Ethylbenzene**	50	**5.3**	29	0.34	**1.2**	6.7	0.078	**J**
179601-23-1	**m,p-Xylenes**	50	**21**	58	0.55	**4.8**	13	0.13	**J**
75-25-2	Bromoform	50	1.6	35	1.6	0.15	3.4	0.15	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-5		
Lab Code:	R1405444-006		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1933

Canister Dilution Factor: 1.52

Initial Pressure (psig): -2.65 Final Pressure (psig): 3.64

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
100-42-5	Styrene	50	0.31	29	0.31	0.072	6.7	0.072	U
95-47-6	**o-Xylene**	50	**6.0**	29	0.31	**1.4**	6.7	0.071	J
79-34-5	1,1,2,2-Tetrachloroethane	50	0.98	4.6	0.98	0.15	0.66	0.15	U
541-73-1	1,3-Dichlorobenzene	50	0.77	40	0.77	0.13	6.7	0.13	U
106-46-7	1,4-Dichlorobenzene	50	0.55	40	0.55	0.092	6.7	0.092	U
95-50-1	1,2-Dichlorobenzene	50	0.70	40	0.70	0.12	6.7	0.12	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	101	70-130	7/17/14 1933	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 1933

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Sample Name:	SV-5	**Units:**	µg/m³
Lab Code:	R1405444-006	**Basis:**	NA

Analytical Method: TO-15 **Canister Dilution Factor:** 1.52

Initial Pressure (psig): -2.7 Final Pressure (psig): 3.6

CAS #	Analyte Name	RT	Result	Q
000115-07-1	Propene	5.46	**200**	JN
000115-11-7	1-Propene, 2-methyl-	6.30	**230**	JN
000075-07-0	Acetaldehyde	6.66	**74**	JN
	unknown	7.61	**58**	J
000109-66-0	Pentane	8.18	**88**	JN
	unknown	21.46	**110**	J
	unknown	22.32	**50**	J
	unknown	22.85	**250**	J
	unknown	23.11	**130**	J
	unknown	23.36	**960**	J
005989-27-5	D-Limonene	23.52	**200**	JN
	unknown	23.63	**110**	J
	unknown	23.73	**74**	J
	unknown	23.82	**1200**	J
	unknown	24.21	**460**	J
	unknown	24.38	**67**	J
	unknown	24.52	**55**	J
	unknown	25.02	**49**	J
	unknown	25.99	**140**	J

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-6		
Lab Code:	R1405444-007		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 2015

Canister Dilution Factor: 1.46

Initial Pressure (psig): -2.26 Final Pressure (psig): 3.50

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
74-87-3	**Chloromethane**	74	**0.80**	8.9	0.20	**0.39**	4.3	0.096	J
75-01-4	Vinyl Chloride	74	0.28	1.2	0.28	0.11	0.46	0.11	U
74-83-9	Bromomethane	74	0.64	8.5	0.64	0.17	2.2	0.17	U
75-00-3	Chloroethane	74	0.46	11	0.46	0.18	4.3	0.18	U
67-64-1	**Acetone**	74	**310**	99	3.7	**130**	42	1.6	
75-69-4	**Trichlorofluoromethane (CFC 11)**	74	**1.4**	12	0.44	**0.24**	2.2	0.078	J
75-35-4	1,1-Dichloroethene	74	0.22	8.7	0.22	0.055	2.2	0.055	U
75-09-2	Methylene Chloride	74	0.38	7.5	0.38	0.11	2.2	0.11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	74	0.77	3.4	0.77	0.10	0.44	0.10	U
75-15-0	**Carbon Disulfide**	74	**34**	6.7	0.20	**11**	2.2	0.064	
156-60-5	trans-1,2-Dichloroethene	74	0.24	8.7	0.24	0.060	2.2	0.060	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	74	0.34	8.9	0.34	0.083	2.2	0.083	U
1634-04-4	Methyl tert-Butyl Ether	74	0.20	16	0.20	0.055	4.3	0.055	U
108-05-4	Vinyl Acetate	74	0.20	99	0.20	0.057	28	0.057	U
78-93-3	**2-Butanone (MEK)**	74	**14**	13	0.42	**4.8**	4.4	0.15	
156-59-2	cis-1,2-Dichloroethene	74	0.36	8.7	0.36	0.090	2.2	0.090	U
67-66-3	**Chloroform**	74	**1.7**	11	0.54	**0.35**	2.2	0.11	J
107-06-2	1,2-Dichloroethane	74	0.46	8.9	0.46	0.12	2.2	0.12	U
71-55-6	1,1,1-Trichloroethane (TCA)	74	0.74	12	0.74	0.14	2.2	0.14	U
71-43-2	**Benzene**	74	**15**	6.9	0.20	**4.7**	2.2	0.062	
56-23-5	Carbon Tetrachloride	74	0.60	1.4	0.60	0.095	0.22	0.095	U
78-87-5	1,2-Dichloropropane	74	0.36	10	0.36	0.077	2.2	0.077	U
75-27-4	Bromodichloromethane	74	0.85	3.0	0.85	0.13	0.44	0.13	U
79-01-6	Trichloroethene (TCE)	74	0.48	1.2	0.48	0.089	0.22	0.089	U
10061-01-5	cis-1,3-Dichloropropene	74	0.28	20	0.28	0.061	4.3	0.061	U
108-10-1	4-Methyl-2-pentanone	74	0.20	18	0.20	0.049	4.3	0.049	U
10061-02-6	trans-1,3-Dichloropropene	74	0.26	9.9	0.26	0.057	2.2	0.057	U
79-00-5	1,1,2-Trichloroethane	74	0.70	12	0.70	0.13	2.2	0.13	U
108-88-3	**Toluene**	74	**40**	8.1	0.20	**10**	2.1	0.053	
591-78-6	2-Hexanone	74	0.28	8.9	0.28	0.068	2.2	0.068	U
124-48-1	Dibromochloromethane	74	0.74	3.7	0.74	0.086	0.44	0.086	U
106-93-4	1,2-Dibromoethane	74	0.68	3.4	0.68	0.088	0.44	0.088	U
127-18-4	Tetrachloroethene (PCE)	74	0.56	1.6	0.56	0.082	0.23	0.082	U
108-90-7	Chlorobenzene	74	0.46	10	0.46	0.099	2.2	0.099	U
100-41-4	**Ethylbenzene**	74	**5.6**	19	0.22	**1.3**	4.3	0.050	J
179601-23-1	**m,p-Xylenes**	74	**21**	38	0.36	**4.9**	8.7	0.082	J
75-25-2	Bromoform	74	0.99	22	0.99	0.096	2.2	0.096	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
Sample Name:	SV-6		
Lab Code:	R1405444-007		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 2015

Canister Dilution Factor: 1.46

Initial Pressure (psig): -2.26 Final Pressure (psig): 3.50

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
100-42-5	Styrene	74	0.20	19	0.20	0.047	4.4	0.047	U
95-47-6	**o-Xylene**	74	**5.8**	19	0.20	**1.3**	4.3	0.046	J
79-34-5	1,1,2,2-Tetrachloroethane	74	0.64	3.0	0.64	0.092	0.43	0.092	U
541-73-1	1,3-Dichlorobenzene	74	0.50	26	0.50	0.083	4.3	0.083	U
106-46-7	1,4-Dichlorobenzene	74	0.36	26	0.36	0.060	4.3	0.060	U
95-50-1	1,2-Dichlorobenzene	74	0.46	26	0.46	0.076	4.3	0.076	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	102	70-130	7/17/14 2015	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Air	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 2015

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Sample Name:	SV-6	**Units:**	µg/m³
Lab Code:	R1405444-007	**Basis:**	NA

Analytical Method: TO-15 **Canister Dilution Factor:** 1.46

Initial Pressure (psig): -2.3 Final Pressure (psig): 3.5

CAS #	Analyte Name	RT	Result	Q
000115-07-1	Propene	5.46	**130**	JN
	unknown	6.33	**170**	J
000109-66-0	Pentane	8.18	**110**	JN
000110-54-3	Hexane	11.00	**99**	JN
000110-82-7	Cyclohexane	13.28	**120**	JN
000108-87-2	Cyclohexane, methyl-	15.20	**130**	JN
	unknown	21.46	**190**	J
	unknown	22.85	**470**	J
	unknown	23.11	**260**	J
	unknown	23.37	**1600**	J
005989-27-5	D-Limonene	23.52	**250**	JN
	unknown	23.63	**210**	J
	unknown	23.73	**140**	J
	unknown	23.82	**1700**	J
	unknown	24.05	**92**	J
	unknown	24.21	**890**	J
	unknown	24.38	**140**	J
	unknown	24.52	**100**	J
	unknown	25.02	**120**	J
	unknown	25.99	**270**	J

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Air	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	RQ1408596-04		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1512

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
74-87-3	Chloromethane	1000	0.010	0.45	0.010	0.0049	0.22	0.0049	U
75-01-4	Vinyl Chloride	1000	0.014	0.060	0.014	0.0055	0.023	0.0055	U
74-83-9	Bromomethane	1000	0.032	0.43	0.032	0.0083	0.11	0.0083	U
75-00-3	Chloroethane	1000	0.023	0.58	0.023	0.0088	0.22	0.0088	U
67-64-1	**Acetone**	1000	**0.21**	5.0	0.19	**0.090**	2.1	0.079	J
75-69-4	Trichlorofluoromethane (CFC 11)	1000	0.023	0.62	0.023	0.0040	0.11	0.0040	U
75-35-4	1,1-Dichloroethene	1000	0.012	0.44	0.012	0.0028	0.11	0.0028	U
75-09-2	Methylene Chloride	1000	0.019	0.38	0.019	0.0055	0.11	0.0055	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	0.039	0.17	0.039	0.0051	0.022	0.0051	U
75-15-0	**Carbon Disulfide**	1000	**0.017**	0.34	0.010	**0.0055**	0.11	0.0033	J
156-60-5	trans-1,2-Dichloroethene	1000	0.012	0.44	0.012	0.0031	0.11	0.0031	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	1000	0.017	0.45	0.017	0.0043	0.11	0.0043	U
1634-04-4	Methyl tert-Butyl Ether	1000	0.010	0.79	0.010	0.0028	0.22	0.0028	U
108-05-4	Vinyl Acetate	1000	0.010	5.0	0.010	0.0029	1.4	0.0029	U
78-93-3	**2-Butanone (MEK)**	1000	**0.027**	0.65	0.021	**0.0093**	0.22	0.0072	J
156-59-2	cis-1,2-Dichloroethene	1000	0.019	0.44	0.019	0.0046	0.11	0.0046	U
67-66-3	Chloroform	1000	0.027	0.54	0.027	0.0056	0.11	0.0056	U
107-06-2	1,2-Dichloroethane	1000	0.023	0.45	0.023	0.0057	0.11	0.0057	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.038	0.60	0.038	0.0068	0.11	0.0068	U
71-43-2	Benzene	1000	0.010	0.35	0.010	0.0032	0.11	0.0032	U
56-23-5	Carbon Tetrachloride	1000	0.030	0.070	0.030	0.0048	0.011	0.0048	U
78-87-5	1,2-Dichloropropane	1000	0.019	0.51	0.019	0.0039	0.11	0.0039	U
75-27-4	Bromodichloromethane	1000	0.044	0.15	0.044	0.0065	0.022	0.0065	U
79-01-6	Trichloroethene (TCE)	1000	0.024	0.060	0.024	0.0045	0.011	0.0045	U
10061-01-5	cis-1,3-Dichloropropene	1000	0.014	1.0	0.014	0.0031	0.22	0.0031	U
108-10-1	4-Methyl-2-pentanone	1000	0.010	0.90	0.010	0.0025	0.22	0.0025	U
10061-02-6	trans-1,3-Dichloropropene	1000	0.014	0.50	0.014	0.0029	0.11	0.0029	U
79-00-5	1,1,2-Trichloroethane	1000	0.035	0.60	0.035	0.0065	0.11	0.0065	U
108-88-3	Toluene	1000	0.010	0.41	0.010	0.0027	0.11	0.0027	U
591-78-6	2-Hexanone	1000	0.014	0.45	0.014	0.0035	0.11	0.0035	U
124-48-1	Dibromochloromethane	1000	0.038	0.19	0.038	0.0044	0.022	0.0044	U
106-93-4	1,2-Dibromoethane	1000	0.034	0.17	0.034	0.0045	0.022	0.0045	U
127-18-4	Tetrachloroethene (PCE)	1000	0.028	0.080	0.028	0.0042	0.012	0.0042	U
108-90-7	Chlorobenzene	1000	0.023	0.51	0.023	0.0050	0.11	0.0050	U
100-41-4	Ethylbenzene	1000	0.012	0.95	0.012	0.0026	0.22	0.0026	U
179601-23-1	m,p-Xylenes	1000	0.019	1.9	0.019	0.0042	0.44	0.0042	U
75-25-2	Bromoform	1000	0.050	1.1	0.050	0.0049	0.11	0.0049	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Air	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	RQ1408596-04		

Analytical Method: TO-15 **Date Analyzed:** 7/17/14 1512

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbv	MRL ppbv	MDL ppbv	Data Qualifier
100-42-5	Styrene	1000	0.010	0.94	0.010	0.0024	0.22	0.0024	U
95-47-6	o-Xylene	1000	0.010	0.95	0.010	0.0024	0.22	0.0024	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	0.032	0.15	0.032	0.0047	0.022	0.0047	U
541-73-1	1,3-Dichlorobenzene	1000	0.025	1.3	0.025	0.0042	0.22	0.0042	U
106-46-7	**1,4-Dichlorobenzene**	1000	**0.026**	1.3	0.019	**0.0043**	0.22	0.0030	J
95-50-1	**1,2-Dichlorobenzene**	1000	**0.025**	1.3	0.023	**0.0041**	0.22	0.0039	J

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	104	70-130	7/17/14 1512	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405444
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Air	**Date Received:**	NA
		Date Analyzed:	7/17/14 1512

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Sample Name:	Method Blank	**Units:**	µg/m³
Lab Code:	RQ1408596-04	**Basis:**	NA

Analytical Method: TO-15

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Air

Service Request: R1405444
Date Analyzed: 7/17/14

Lab Control Sample Summary
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Analytical Method: TO-15

Units: µg/m³
Basis: NA

Analysis Lot: 403164

Analyte Name	Lab Control Sample RQ1408596-03 Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	4.57	5.26	87	70 - 130
Vinyl Chloride	5.39	6.58	82	70 - 130
Bromomethane	8.06	9.80	82	70 - 130
Chloroethane	5.42	6.66	81	70 - 130
Acetone	5.45	6.47	84	50 - 150
Trichlorofluoromethane (CFC 11)	13.0	15.2	86	70 - 130
1,1-Dichloroethene	8.59	10.3	83	70 - 130
Methylene Chloride	8.38	8.94	94	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	18.0	19.7	91	70 - 130
Carbon Disulfide	8.52	7.94	107	70 - 130
trans-1,2-Dichloroethene	9.13	10.4	88	70 - 130
1,1-Dichloroethane (1,1-DCA)	9.34	10.4	90	70 - 130
Methyl tert-Butyl Ether	8.57	9.55	90	70 - 130
Vinyl Acetate	7.32	8.89	82	70 - 130
2-Butanone (MEK)	6.72	7.81	86	70 - 130
cis-1,2-Dichloroethene	9.51	10.4	91	70 - 130
Chloroform	11.3	13.2	86	70 - 130
1,2-Dichloroethane	9.02	10.6	85	70 - 130
1,1,1-Trichloroethane (TCA)	11.9	14.3	83	70 - 130
Benzene	7.83	8.38	93	70 - 130
Carbon Tetrachloride	13.7	16.0	86	70 - 130
1,2-Dichloropropane	11.1	12.1	91	70 - 130
Bromodichloromethane	16.0	17.4	92	70 - 130
Trichloroethene (TCE)	12.8	14.0	92	70 - 130
cis-1,3-Dichloropropene	11.4	12.5	91	70 - 130
4-Methyl-2-pentanone	8.59	10.5	81	70 - 130
trans-1,3-Dichloropropene	9.79	10.9	90	70 - 130
1,1,2-Trichloroethane	13.4	14.5	92	70 - 130
Toluene	9.17	9.98	92	70 - 130
2-Hexanone	9.21	11.1	83	70 - 130
Dibromochloromethane	21.4	23.4	91	70 - 130
1,2-Dibromoethane	18.1	20.0	90	70 - 130
Tetrachloroethene (PCE)	17.0	18.0	95	70 - 130
Chlorobenzene	11.7	12.3	95	70 - 130
Ethylbenzene	10.6	11.5	92	70 - 130
m,p-Xylenes	19.9	22.4	89	70 - 130
Bromoform	25.7	26.6	97	70 - 130
Styrene	9.77	11.1	88	70 - 130

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Air

Service Request: R1405444
Date Analyzed: 7/17/14

Lab Control Sample Summary
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Analytical Method: TO-15

Units: µg/m³
Basis: NA

Analysis Lot: 403164

	Lab Control Sample RQ1408596-03			
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
o-Xylene	10.2	11.7	87	70 - 130
1,1,2,2-Tetrachloroethane	15.8	18.5	85	70 - 130
1,3-Dichlorobenzene	13.1	14.7	89	70 - 130
1,4-Dichlorobenzene	12.6	14.9	85	70 - 130
1,2-Dichlorobenzene	12.9	14.6	88	70 - 130

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

16800

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 2 OF 2

Project Name: Rite Aid Niagara St.	Project Number:
Project Manager: Pete von Schondorf	Report CC:
Company/Address: LEADER PROF. SVCS. 271 MARSH RD. SUITE 2 Pittsford, NY 14534	
Phone #: 585-248-2413	Email: pvonschondorf@leaderps.com
Sampler's Signature: Pete von Schondorf	Sampler's Printed Name: Pete von Schondorf

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

NUMBER OF CONTAINERS

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	GCMS VOAs 8260 ○ 624 ○ CLP	GCMS SVOAs 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS TOTAL (List in comments below)	METALS DISSOLVED (List in comments below)	TO-15
SB-12-14'	-006	7-15-14	10:35	S	✓	✓				✓		✓
SV-2 4'		7-15-14	10:54	S	✓							
AMB-1	-001	7-15-14		A								✓
SV-1	-002	"		A								✓
SV-2	-003	"		A								✓
SV-3	-004	"		A								✓
SV-4	-005	"		A								✓
SV-5	-006	"		A								✓
SV-6	-007	"		A								✓
S-												

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

PAH's, Hg, Cr, Pb

SPECIAL INSTRUCTIONS/COMMENTS
Metals

R1405444 5
Leader Professional Services, Inc.
360 Niagara Street

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
REQUESTED REPORT DATE: 2 WKS

REPORT REQUIREMENTS
____ I. Results Only
✓ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
Edata ✓ Yes ____ No

INVOICE INFORMATION
PO #
BILL TO: LEADER
271 MARSH RD
SUITE 2
PITTSFORD

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Pete von Schondorf	Signature: Pete von Schondorf	Signature	Signature: Daniel Mark	Signature	Signature
Printed Name: PETE VONSCHONDORF	Printed Name	Printed Name	Printed Name: JLS	Printed Name	Printed Name
Firm: LEADER	Firm	Firm	Firm: 7/15/14/1631	Firm	Firm
Date/Time: 7/15/14	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

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Cooler Receipt and Preservation Check Form

Project/Client Leader Folder Number R1405444

Cooler received on 7/15/14 by: DH COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y (NR)	5a	Perchlorate samples have required headspace?	Y N (NA)
2	Custody papers properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* bubbles?	Y (N) NA
3	Did all bottles arrive in good condition (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: Wet Ice Dry Ice Gel packs present?	(Y) N	7	Soil VOA received as:	Bulk Encore 5035set (NA)

8. Temperature Readings Date: 7/15/14 Time: 1635 ID: IR#3 IR#4 From: Temp Blank Sample Bottle

Observed Temp (°C)	Air Samples	6.2°					
Correction Factor (°C)	↓	±0.0					
Corrected Temp (°C)	↓	6.2°					
Within 0-6°C?	Y N	Y (N)	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by DH on 7/15/14 at 1635
5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: VF

Cooler Breakdown: Date: 7/16/14 Time: 1001 by: DH

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact ~~Canisters Pressurized~~ Tedlar® Bags Inflated N/A

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: _____

Other Comments: Rec'd. 1 can/flow controler w/no ID. The only can/FC not accounted for was location SV-1. The blank can is assumed to be for SV-1

PC Secondary Review: KB 7/29/14

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Soil Results

July 30, 2014

Service Request No: R1405442

Mr. Peter von Schondorf
Leader Professional Services, Inc.
271 Marsh Road
Suite 2
Pittsford, NY 14534

Laboratory Results for: 350 Niagara Street

Dear Mr. von Schondorf:

Enclosed are the results of the sample(s) submitted to our laboratory on July 15, 2014. For your reference, these analyses have been assigned our service request number **R1405442.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7470. You may also contact me via email at Carlton.Beechler@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Carlton Beechler
Project Manager

ADDRESS 1565 Jefferson Rd, Building 300, Suite 360, Rochester, NY 14623 PHONE 585-288-5380 | FAX 585-288-8475
ALS GROUP USA, CORP. Part of the ALS Group An ALS Limited Company

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

Client:	Leader Professional Services	**Service Request No.:**	R1405442
Project:	350 Niagara St.	**Date Received:**	7/15/14
Sample Matrix:	Soil		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental (ALS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses.

Sample Receipt

Twelve (12) soils and one (1) Trip Blank were collected by the client on 7/14-15/14 and were received for analysis at ALS on 7/15/14. Samples were consistent with the Chain of Custody except for any discrepancies noted on the Cooler Receipt and Preservation Check Form at the end of the report.

All soils were analyzed for Total % Solids in order to report all data on a dry weight basis.

Volatile Organic Compounds

Eleven (11) soil samples and one (1) Trip Blank were analyzed for Volatile Organics by GC/MS method 8260C. Volatile samples were collected in soil jars rather than 5035 or Encore samplers. Low level analyses may be biased low.

All surrogate recoveries were within acceptance limits.

All Initial Calibration criteria were met for these samples. Continuing Calibration Verification (CCV) criteria was met except for the following compounds which exceeded the ±20% Difference (%D):
CCV 7/17/14: Acetone and Dichlorodifluoromethane and
CCV 7/18/14: Acetone.
Any hits for these compounds associated with these CCV's should be considered as estimated. Sample ALS #R1405442-013, associated with the 7/18/14 CCV had Acetone as a major component in the sample. Though the compound is low in the CCV, it is within 40%D allowed in the SOP and therefore an exception, not a violation. All data has been reported.

Site QC was not requested but was performed by the laboratory and is included in the report for sample SV-2-4' (R1405442-013). All Matrix Spike (MS) and MS Duplicate (MSD) recoveries were within QC limits. The Relative Percent Difference (RPD) calculations were all acceptable except for 1,2,3-Trichlorobenzene. The RPD has been flagged as "*".

Batch QC is included in the report. The Laboratory Control Sample (LCS) recoveries were within QC limits.

The Laboratory Method Blanks were free from contamination.

The samples were analyzed within the proper holding time for this analysis.

No other problems were encountered during the analysis of these samples.

Approved by Karen Burke Date 7/30/14

Semivolatile Organic Compounds

Nine (9) soil samples were analyzed for PAH's by Semivolatile Organics GC/MS method 8270D.

All surrogate recoveries were within acceptance limits.

All Initial and Continuing Calibration criteria were met for these samples.

Site QC was not requested but was performed by the laboratory and is included in the report for sample SV-6-7' (R1405442-001). All Matrix Spike (MS) and MS Duplicate (MSD) recoveries were within QC limits. Several RPD calculations were outside limits. The exceeded RPD's have been flagged as "*".

Batch QC is included in the report. The Laboratory Control Sample (LCS) and LCS Duplicate (LCSD) recoveries were within QC limits. All RPD's were acceptable.

The Laboratory Method Blank was free from contamination.

The samples were analyzed within the proper holding time for this analysis.

No other problems were encountered during the analysis of these samples.

Metals

Nine (9) soil samples were analyzed for the TAL metals and Hexavalent Chromium. Method #'s are noted on the data forms.

All initial and continuing calibration criteria were met.

Site QC was not requested but was performed by the laboratory on Cr+6 by 7199 and is included in the report for sample SV-12 12-14' (R1405442-012). All Matrix Spike (MS) recoveries were within QC limits. The RPD calculations were acceptable.

The samples were digested and analyzed within the proper holding times.

No problems were encountered during the analysis of these samples.

Approved by Karen Parker Date 7/30/14

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1405442

Lab ID	Client ID
R1405442-001	SB-1 6-7'
R1405442-002	SB-2 5-6'
R1405442-003	SB-2 4'
R1405442-004	SB-3 4-5'
R1405442-005	SB-4 8-9'
R1405442-006	SB-5 6-7'
R1405442-007	SB-6 8-9'
R1405442-008	SB-7 3.5-4'
R1405442-009	TRIP BLANK
R1405442-010	SB-8 15-16'
R1405442-011	SB-9 9-10'
R1405442-012	SB-12 12-14'
R1405442-013	SV-2 4'

ALS Environmental

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% (25% for CLP) difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

ACCREDITED IN ACCORDANCE WITH nelac

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	3010A
200.8	ILM05.3
6010C	3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3010A
6010 SPLP (1312) extract	3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-1 6-7'		
Lab Code:	R1405442-001	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**85.3**		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-1 6-7'		
Lab Code:	R1405442-001	**Basis:**	Dry
		Percent Solids:	85.3

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.45	U	mg/Kg	0.45	1	7/23/14	7/23/14 13:33	
Chromium, Hexavalent	7199	0.45	U	mg/Kg	0.45	1	7/23/14	7/23/14 13:25	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-1 6-7'		
Lab Code:	R1405442-001	**Basis:**	Dry
		Percent Solids:	85.3

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**8970**		mg/Kg	11	1	7/23/14	7/25/14 01:18	
Antimony, Total	6010C	6.8	U	mg/Kg	6.8	1	7/23/14	7/25/14 01:18	
Arsenic, Total	6010C	**4.0**		mg/Kg	1.1	1	7/23/14	7/25/14 01:18	
Barium, Total	6010C	**68.7**		mg/Kg	2.3	1	7/23/14	7/25/14 01:18	
Beryllium, Total	6010C	**0.44**		mg/Kg	0.34	1	7/23/14	7/25/14 01:18	
Cadmium, Total	6010C	0.57	U	mg/Kg	0.57	1	7/23/14	7/25/14 01:18	
Calcium, Total	6010C	**80800**		mg/Kg	1100	10	7/23/14	7/25/14 03:25	
Chromium, Total	6010C	**13.3**		mg/Kg	1.1	1	7/23/14	7/25/14 01:18	
Cobalt, Total	6010C	**6.6**		mg/Kg	5.7	1	7/23/14	7/25/14 01:18	
Copper, Total	6010C	**14.8**		mg/Kg	2.3	1	7/23/14	7/25/14 01:18	
Iron, Total	6010C	**17700**		mg/Kg	110	10	7/23/14	7/25/14 03:25	
Lead, Total	6010C	**13.4**		mg/Kg	5.7	1	7/23/14	7/25/14 01:18	
Magnesium, Total	6010C	**27700**		mg/Kg	110	1	7/23/14	7/25/14 01:18	
Manganese, Total	6010C	**440**		mg/Kg	1.1	1	7/23/14	7/25/14 01:18	
Mercury, Total	7471B	0.039	U	mg/Kg	0.039	1	7/25/14	7/25/14 17:01	
Nickel, Total	6010C	**14.0**		mg/Kg	4.6	1	7/23/14	7/25/14 01:18	
Potassium, Total	6010C	**1880**		mg/Kg	230	1	7/23/14	7/25/14 01:18	
Selenium, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 01:18	
Silver, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 01:18	
Sodium, Total	6010C	**380**		mg/Kg	110	1	7/23/14	7/25/14 01:18	
Thallium, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 01:18	
Vanadium, Total	6010C	**18.6**		mg/Kg	5.7	1	7/23/14	7/25/14 01:18	
Zinc, Total	6010C	**61.4**		mg/Kg	2.3	1	7/23/14	7/25/14 01:18	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 14:00
Sample Name:	SB-1 6-7'	**Units:**	µg/Kg
Lab Code:	R1405442-001	**Basis:**	Dry
		Percent Solids:	85.3

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9853.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	5.9	U	5.9	
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U	5.9	
79-00-5	1,1,2-Trichloroethane	5.9	U	5.9	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.9	U	5.9	
75-34-3	1,1-Dichloroethane (1,1-DCA)	5.9	U	5.9	
75-35-4	1,1-Dichloroethene (1,1-DCE)	5.9	U	5.9	
87-61-6	1,2,3-Trichlorobenzene	5.9	U	5.9	
120-82-1	1,2,4-Trichlorobenzene	5.9	U	5.9	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	5.9	U	5.9	
106-93-4	1,2-Dibromoethane	5.9	U	5.9	
95-50-1	1,2-Dichlorobenzene	5.9	U	5.9	
107-06-2	1,2-Dichloroethane	5.9	U	5.9	
78-87-5	1,2-Dichloropropane	5.9	U	5.9	
541-73-1	1,3-Dichlorobenzene	5.9	U	5.9	
106-46-7	1,4-Dichlorobenzene	5.9	U	5.9	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	5.9	U	5.9	
591-78-6	2-Hexanone	5.9	U	5.9	
108-10-1	4-Methyl-2-pentanone	5.9	U	5.9	
67-64-1	Acetone	**10**		5.9	
71-43-2	Benzene	5.9	U	5.9	
74-97-5	Bromochloromethane	5.9	U	5.9	
75-27-4	Bromodichloromethane	5.9	U	5.9	
75-25-2	Bromoform	5.9	U	5.9	
74-83-9	Bromomethane	5.9	U	5.9	
75-15-0	Carbon Disulfide	5.9	U	5.9	
56-23-5	Carbon Tetrachloride	5.9	U	5.9	
108-90-7	Chlorobenzene	5.9	U	5.9	
75-00-3	Chloroethane	5.9	U	5.9	
67-66-3	Chloroform	5.9	U	5.9	
74-87-3	Chloromethane	5.9	U	5.9	
110-82-7	Cyclohexane	5.9	U	5.9	
124-48-1	Dibromochloromethane	5.9	U	5.9	
75-71-8	Dichlorodifluoromethane (CFC 12)	5.9	U	5.9	
75-09-2	Dichloromethane	5.9	U	5.9	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 14:00
Sample Name:	SB-1 6-7'	**Units:**	µg/Kg
Lab Code:	R1405442-001	**Basis:**	Dry
		Percent Solids:	85.3

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9853.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	5.9	U	5.9	
98-82-8	Isopropylbenzene (Cumene)	5.9	U	5.9	
79-20-9	Methyl Acetate	5.9	U	5.9	
1634-04-4	Methyl tert-Butyl Ether	5.9	U	5.9	
108-87-2	Methylcyclohexane	5.9	U	5.9	
100-42-5	Styrene	5.9	U	5.9	
127-18-4	Tetrachloroethene (PCE)	5.9	U	5.9	
108-88-3	Toluene	5.9	U	5.9	
79-01-6	Trichloroethene (TCE)	5.9	U	5.9	
75-69-4	Trichlorofluoromethane (CFC 11)	5.9	U	5.9	
75-01-4	Vinyl Chloride	5.9	U	5.9	
156-59-2	cis-1,2-Dichloroethene	5.9	U	5.9	
10061-01-5	cis-1,3-Dichloropropene	5.9	U	5.9	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	5.9	U	5.9	
156-60-5	trans-1,2-Dichloroethene	5.9	U	5.9	
10061-02-6	trans-1,3-Dichloropropene	5.9	U	5.9	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	51-136	7/17/14 14:00	
Dibromofluoromethane	94	63-138	7/17/14 14:00	
Toluene-d8	100	66-138	7/17/14 14:00	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Extracted:	7/24/14
		Date Analyzed:	7/25/14 11:59
Sample Name:	SB-1 6-7'	**Units:**	µg/Kg
Lab Code:	R1405442-001	**Basis:**	Dry
		Percent Solids:	85.3

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403784
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072514\BL555.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	7.7	U	7.7	
208-96-8	Acenaphthylene	7.7	U	7.7	
120-12-7	Anthracene	7.7	U	7.7	
56-55-3	Benz(a)anthracene	7.7	U	7.7	
50-32-8	Benzo(a)pyrene	7.7	U	7.7	
205-99-2	Benzo(b)fluoranthene	7.7	U	7.7	
191-24-2	Benzo(g,h,i)perylene	7.7	U	7.7	
207-08-9	Benzo(k)fluoranthene	7.7	U	7.7	
218-01-9	Chrysene	7.7	U	7.7	
53-70-3	Dibenz(a,h)anthracene	7.7	U	7.7	
206-44-0	Fluoranthene	**17**		7.7	
86-73-7	Fluorene	7.7	U	7.7	
193-39-5	Indeno(1,2,3-cd)pyrene	7.7	U	7.7	
91-20-3	Naphthalene	7.7	U	7.7	
85-01-8	Phenanthrene	7.7	U	7.7	
129-00-0	Pyrene	**16**		7.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	70	17-141	7/25/14 11:59	
Nitrobenzene-d5	80	16-161	7/25/14 11:59	
p-Terphenyl-d14	112	13-167	7/25/14 11:59	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-2 5-6'		
Lab Code:	R1405442-002	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**83.9**		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 14:39
Sample Name:	SB-2 5-6'	**Units:**	µg/Kg
Lab Code:	R1405442-002	**Basis:**	Dry
		Percent Solids:	83.9

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9854.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.0	U	6.0	
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U	6.0	
79-00-5	1,1,2-Trichloroethane	6.0	U	6.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	6.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.0	U	6.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.0	U	6.0	
87-61-6	1,2,3-Trichlorobenzene	6.0	U	6.0	
120-82-1	1,2,4-Trichlorobenzene	6.0	U	6.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.0	U	6.0	
106-93-4	1,2-Dibromoethane	6.0	U	6.0	
95-50-1	1,2-Dichlorobenzene	6.0	U	6.0	
107-06-2	1,2-Dichloroethane	6.0	U	6.0	
78-87-5	1,2-Dichloropropane	6.0	U	6.0	
541-73-1	1,3-Dichlorobenzene	6.0	U	6.0	
106-46-7	1,4-Dichlorobenzene	6.0	U	6.0	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	**14**		6.0	
591-78-6	2-Hexanone	6.0	U	6.0	
108-10-1	4-Methyl-2-pentanone	6.0	U	6.0	
67-64-1	Acetone	**68**		6.0	
71-43-2	Benzene	6.0	U	6.0	
74-97-5	Bromochloromethane	6.0	U	6.0	
75-27-4	Bromodichloromethane	6.0	U	6.0	
75-25-2	Bromoform	6.0	U	6.0	
74-83-9	Bromomethane	6.0	U	6.0	
75-15-0	Carbon Disulfide	6.0	U	6.0	
56-23-5	Carbon Tetrachloride	6.0	U	6.0	
108-90-7	Chlorobenzene	6.0	U	6.0	
75-00-3	Chloroethane	6.0	U	6.0	
67-66-3	Chloroform	6.0	U	6.0	
74-87-3	Chloromethane	6.0	U	6.0	
110-82-7	Cyclohexane	6.0	U	6.0	
124-48-1	Dibromochloromethane	6.0	U	6.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.0	U	6.0	
75-09-2	Dichloromethane	6.0	U	6.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 14:39
Sample Name:	SB-2 5-6'	**Units:**	µg/Kg
Lab Code:	R1405442-002	**Basis:**	Dry
		Percent Solids:	83.9

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9854.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	6.0	U	6.0	
98-82-8	Isopropylbenzene (Cumene)	6.0	U	6.0	
79-20-9	Methyl Acetate	6.0	U	6.0	
1634-04-4	Methyl tert-Butyl Ether	6.0	U	6.0	
108-87-2	Methylcyclohexane	6.0	U	6.0	
100-42-5	Styrene	6.0	U	6.0	
127-18-4	Tetrachloroethene (PCE)	6.0	U	6.0	
108-88-3	Toluene	6.0	U	6.0	
79-01-6	Trichloroethene (TCE)	6.0	U	6.0	
75-69-4	Trichlorofluoromethane (CFC 11)	6.0	U	6.0	
75-01-4	Vinyl Chloride	6.0	U	6.0	
156-59-2	cis-1,2-Dichloroethene	6.0	U	6.0	
10061-01-5	cis-1,3-Dichloropropene	6.0	U	6.0	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.0	U	6.0	
156-60-5	trans-1,2-Dichloroethene	6.0	U	6.0	
10061-02-6	trans-1,3-Dichloropropene	6.0	U	6.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	51-136	7/17/14 14:39	
Dibromofluoromethane	97	63-138	7/17/14 14:39	
Toluene-d8	101	66-138	7/17/14 14:39	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Extracted:	7/24/14
		Date Analyzed:	7/25/14 12:28
Sample Name:	SB-2 5-6'	**Units:**	µg/Kg
Lab Code:	R1405442-002	**Basis:**	Dry
		Percent Solids:	83.9

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403784
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072514\BL556.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	8

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	120		63	
208-96-8	Acenaphthylene	140		63	
120-12-7	Anthracene	550		63	
56-55-3	Benz(a)anthracene	1200		63	
50-32-8	Benzo(a)pyrene	930		63	
205-99-2	Benzo(b)fluoranthene	820		63	
191-24-2	Benzo(g,h,i)perylene	530		63	
207-08-9	Benzo(k)fluoranthene	750		63	
218-01-9	Chrysene	1100		63	
53-70-3	Dibenz(a,h)anthracene	170		63	
206-44-0	Fluoranthene	3000		63	
86-73-7	Fluorene	230		63	
193-39-5	Indeno(1,2,3-cd)pyrene	500		63	
91-20-3	Naphthalene	63	U	63	
85-01-8	Phenanthrene	2100		63	
129-00-0	Pyrene	2300		63	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	48	17-141	7/25/14 12:28	
Nitrobenzene-d5	72	16-161	7/25/14 12:28	
p-Terphenyl-d14	80	13-167	7/25/14 12:28	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-2 4'		
Lab Code:	R1405442-003	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**84.9**		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-2 4'		
Lab Code:	R1405442-003	**Basis:**	Dry
		Percent Solids:	84.9

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.47	U	mg/Kg	0.47	1	7/23/14	7/23/14 13:48	
Chromium, Hexavalent	7199	0.47	U	mg/Kg	0.47	1	7/23/14	7/23/14 13:40	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/14/14
Date Received: 7/15/14

Sample Name: SB-2 4'
Lab Code: R1405442-003

Basis: Dry
Percent Solids: 84.9

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**11700**		mg/Kg	12	1	7/23/14	7/25/14 01:24	
Antimony, Total	6010C	7.0	U	mg/Kg	7.0	1	7/23/14	7/25/14 01:24	
Arsenic, Total	6010C	**5.4**		mg/Kg	1.2	1	7/23/14	7/25/14 01:24	
Barium, Total	6010C	**112**		mg/Kg	2.3	1	7/23/14	7/25/14 01:24	
Beryllium, Total	6010C	**0.63**		mg/Kg	0.35	1	7/23/14	7/25/14 01:24	
Cadmium, Total	6010C	0.58	U	mg/Kg	0.58	1	7/23/14	7/25/14 01:24	
Calcium, Total	6010C	**48800**		mg/Kg	1200	10	7/23/14	7/25/14 03:32	
Chromium, Total	6010C	**19.3**		mg/Kg	1.2	1	7/23/14	7/25/14 01:24	
Cobalt, Total	6010C	**9.1**		mg/Kg	5.8	1	7/23/14	7/25/14 01:24	
Copper, Total	6010C	**26.2**		mg/Kg	2.3	1	7/23/14	7/25/14 01:24	
Iron, Total	6010C	**22300**		mg/Kg	120	10	7/23/14	7/25/14 03:32	
Lead, Total	6010C	**90.9**		mg/Kg	5.8	1	7/23/14	7/25/14 01:24	
Magnesium, Total	6010C	**15400**		mg/Kg	120	1	7/23/14	7/25/14 01:24	
Manganese, Total	6010C	**614**		mg/Kg	1.2	1	7/23/14	7/25/14 01:24	
Mercury, Total	7471B	**0.491**		mg/Kg	0.038	1	7/25/14	7/25/14 17:03	
Nickel, Total	6010C	**18.6**		mg/Kg	4.7	1	7/23/14	7/25/14 01:24	
Potassium, Total	6010C	**1910**		mg/Kg	230	1	7/23/14	7/25/14 01:24	
Selenium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:24	
Silver, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:24	
Sodium, Total	6010C	**640**		mg/Kg	120	1	7/23/14	7/25/14 01:24	
Thallium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:24	
Vanadium, Total	6010C	**23.5**		mg/Kg	5.8	1	7/23/14	7/25/14 01:24	
Zinc, Total	6010C	**101**		mg/Kg	2.3	1	7/23/14	7/25/14 01:24	

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-3 4-5'		
Lab Code:	R1405442-004	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**82.7**		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-3 4-5'		
Lab Code:	R1405442-004	**Basis:**	Dry
		Percent Solids:	82.7

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	**1.12**		mg/Kg	0.47	1	7/23/14	7/23/14 14:03	
Chromium, Hexavalent	7199	**1.11**		mg/Kg	0.47	1	7/23/14	7/23/14 13:55	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-3 4-5'		
Lab Code:	R1405442-004	**Basis:**	Dry
		Percent Solids:	82.7

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**12900**		mg/Kg	12	1	7/23/14	7/25/14 01:31	
Antimony, Total	6010C	6.9	U	mg/Kg	6.9	1	7/23/14	7/25/14 01:31	
Arsenic, Total	6010C	**3.4**		mg/Kg	1.2	1	7/23/14	7/25/14 01:31	
Barium, Total	6010C	**74.4**		mg/Kg	2.3	1	7/23/14	7/25/14 01:31	
Beryllium, Total	6010C	**0.70**		mg/Kg	0.35	1	7/23/14	7/25/14 01:31	
Cadmium, Total	6010C	0.58	U	mg/Kg	0.58	1	7/23/14	7/25/14 01:31	
Calcium, Total	6010C	**2280**		mg/Kg	120	1	7/23/14	7/25/14 01:31	
Chromium, Total	6010C	**15.7**		mg/Kg	1.2	1	7/23/14	7/25/14 01:31	
Cobalt, Total	6010C	**9.5**		mg/Kg	5.8	1	7/23/14	7/25/14 01:31	
Copper, Total	6010C	**8.6**		mg/Kg	2.3	1	7/23/14	7/25/14 01:31	
Iron, Total	6010C	**16900**		mg/Kg	120	10	7/23/14	7/25/14 03:38	
Lead, Total	6010C	**26.0**		mg/Kg	5.8	1	7/23/14	7/25/14 01:31	
Magnesium, Total	6010C	**2880**		mg/Kg	120	1	7/23/14	7/25/14 01:31	
Manganese, Total	6010C	**384**		mg/Kg	1.2	1	7/23/14	7/25/14 01:31	
Mercury, Total	7471B	**0.082**		mg/Kg	0.037	1	7/25/14	7/25/14 17:05	
Nickel, Total	6010C	**11.9**		mg/Kg	4.6	1	7/23/14	7/25/14 01:31	
Potassium, Total	6010C	**1350**		mg/Kg	230	1	7/23/14	7/25/14 01:31	
Selenium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:31	
Silver, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:31	
Sodium, Total	6010C	**800**		mg/Kg	120	1	7/23/14	7/25/14 01:31	
Thallium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:31	
Vanadium, Total	6010C	**25.8**		mg/Kg	5.8	1	7/23/14	7/25/14 01:31	
Zinc, Total	6010C	**65.1**		mg/Kg	2.3	1	7/23/14	7/25/14 01:31	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 15:16
Sample Name:	SB-3 4-5'	**Units:**	µg/Kg
Lab Code:	R1405442-004	**Basis:**	Dry
		Percent Solids:	82.7

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9855.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.0	U	6.0	
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U	6.0	
79-00-5	1,1,2-Trichloroethane	6.0	U	6.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	6.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.0	U	6.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.0	U	6.0	
87-61-6	1,2,3-Trichlorobenzene	6.0	U	6.0	
120-82-1	1,2,4-Trichlorobenzene	6.0	U	6.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.0	U	6.0	
106-93-4	1,2-Dibromoethane	6.0	U	6.0	
95-50-1	1,2-Dichlorobenzene	6.0	U	6.0	
107-06-2	1,2-Dichloroethane	6.0	U	6.0	
78-87-5	1,2-Dichloropropane	6.0	U	6.0	
541-73-1	1,3-Dichlorobenzene	6.0	U	6.0	
106-46-7	1,4-Dichlorobenzene	6.0	U	6.0	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	**41**		6.0	
591-78-6	2-Hexanone	6.0	U	6.0	
108-10-1	4-Methyl-2-pentanone	6.0	U	6.0	
67-64-1	Acetone	**130**		6.0	
71-43-2	Benzene	6.0	U	6.0	
74-97-5	Bromochloromethane	6.0	U	6.0	
75-27-4	Bromodichloromethane	6.0	U	6.0	
75-25-2	Bromoform	6.0	U	6.0	
74-83-9	Bromomethane	6.0	U	6.0	
75-15-0	Carbon Disulfide	6.0	U	6.0	
56-23-5	Carbon Tetrachloride	6.0	U	6.0	
108-90-7	Chlorobenzene	6.0	U	6.0	
75-00-3	Chloroethane	6.0	U	6.0	
67-66-3	Chloroform	6.0	U	6.0	
74-87-3	Chloromethane	6.0	U	6.0	
110-82-7	Cyclohexane	6.0	U	6.0	
124-48-1	Dibromochloromethane	6.0	U	6.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.0	U	6.0	
75-09-2	Dichloromethane	6.0	U	6.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 15:16
Sample Name:	SB-3 4-5'	**Units:**	µg/Kg
Lab Code:	R1405442-004	**Basis:**	Dry
		Percent Solids:	82.7

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9855.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	6.0	U	6.0	
98-82-8	Isopropylbenzene (Cumene)	6.0	U	6.0	
79-20-9	Methyl Acetate	6.0	U	6.0	
1634-04-4	Methyl tert-Butyl Ether	6.0	U	6.0	
108-87-2	Methylcyclohexane	6.0	U	6.0	
100-42-5	Styrene	6.0	U	6.0	
127-18-4	Tetrachloroethene (PCE)	6.0	U	6.0	
108-88-3	Toluene	6.0	U	6.0	
79-01-6	Trichloroethene (TCE)	6.0	U	6.0	
75-69-4	Trichlorofluoromethane (CFC 11)	6.0	U	6.0	
75-01-4	Vinyl Chloride	6.0	U	6.0	
156-59-2	cis-1,2-Dichloroethene	6.0	U	6.0	
10061-01-5	cis-1,3-Dichloropropene	6.0	U	6.0	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.0	U	6.0	
156-60-5	trans-1,2-Dichloroethene	6.0	U	6.0	
10061-02-6	trans-1,3-Dichloropropene	6.0	U	6.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	51-136	7/17/14 15:16	
Dibromofluoromethane	96	63-138	7/17/14 15:16	
Toluene-d8	105	66-138	7/17/14 15:16	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Extracted:	7/24/14
		Date Analyzed:	7/25/14 14:29
Sample Name:	SB-3 4-5'	**Units:**	µg/Kg
Lab Code:	R1405442-004	**Basis:**	Dry
		Percent Solids:	82.7

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403784
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072514\BL560.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	5

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	40	U	40	
208-96-8	Acenaphthylene	40	U	40	
120-12-7	Anthracene	40	U	40	
56-55-3	Benz(a)anthracene	**160**		40	
50-32-8	Benzo(a)pyrene	**120**		40	
205-99-2	Benzo(b)fluoranthene	**210**		40	
191-24-2	Benzo(g,h,i)perylene	**140**		40	
207-08-9	Benzo(k)fluoranthene	**190**		40	
218-01-9	Chrysene	**270**		40	
53-70-3	Dibenz(a,h)anthracene	40	U	40	
206-44-0	Fluoranthene	**550**		40	
86-73-7	Fluorene	40	U	40	
193-39-5	Indeno(1,2,3-cd)pyrene	**110**		40	
91-20-3	Naphthalene	40	U	40	
85-01-8	Phenanthrene	**87**		40	
129-00-0	Pyrene	**430**		40	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	50	17-141	7/25/14 14:29	
Nitrobenzene-d5	58	16-161	7/25/14 14:29	
p-Terphenyl-d14	88	13-167	7/25/14 14:29	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-4 8-9'		
Lab Code:	R1405442-005	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**83.1**		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-4 8-9'		
Lab Code:	R1405442-005	**Basis:**	Dry
		Percent Solids:	83.1

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	**0.50**		mg/Kg	0.46	1	7/23/14	7/23/14 14:35	
Chromium, Hexavalent	7199	**0.49**		mg/Kg	0.46	1	7/23/14	7/23/14 14:27	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/14/14
Date Received: 7/15/14

Sample Name: SB-4 8-9'
Lab Code: R1405442-005

Basis: Dry
Percent Solids: 83.1

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**5110**		mg/Kg	12	1	7/23/14	7/25/14 01:37	
Antimony, Total	6010C	6.9	U	mg/Kg	6.9	1	7/23/14	7/25/14 01:37	
Arsenic, Total	6010C	**2.4**		mg/Kg	1.2	1	7/23/14	7/25/14 01:37	
Barium, Total	6010C	**30.9**		mg/Kg	2.3	1	7/23/14	7/25/14 01:37	
Beryllium, Total	6010C	0.35	U	mg/Kg	0.35	1	7/23/14	7/25/14 01:37	
Cadmium, Total	6010C	0.58	U	mg/Kg	0.58	1	7/23/14	7/25/14 01:37	
Calcium, Total	6010C	**72300**		mg/Kg	1200	10	7/23/14	7/25/14 03:44	
Chromium, Total	6010C	**8.7**		mg/Kg	1.2	1	7/23/14	7/25/14 01:37	
Cobalt, Total	6010C	5.8	U	mg/Kg	5.8	1	7/23/14	7/25/14 01:37	
Copper, Total	6010C	**8.7**		mg/Kg	2.3	1	7/23/14	7/25/14 01:37	
Iron, Total	6010C	**10700**		mg/Kg	120	10	7/23/14	7/25/14 03:44	
Lead, Total	6010C	**8.8**		mg/Kg	5.8	1	7/23/14	7/25/14 01:37	
Magnesium, Total	6010C	**27800**		mg/Kg	120	1	7/23/14	7/25/14 01:37	
Manganese, Total	6010C	**370**		mg/Kg	1.2	1	7/23/14	7/25/14 01:37	
Mercury, Total	7471B	0.039	U	mg/Kg	0.039	1	7/25/14	7/25/14 17:06	
Nickel, Total	6010C	**7.9**		mg/Kg	4.6	1	7/23/14	7/25/14 01:37	
Potassium, Total	6010C	**1040**		mg/Kg	230	1	7/23/14	7/25/14 01:37	
Selenium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:37	
Silver, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:37	
Sodium, Total	6010C	**460**		mg/Kg	120	1	7/23/14	7/25/14 01:37	
Thallium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:37	
Vanadium, Total	6010C	**12.0**		mg/Kg	5.8	1	7/23/14	7/25/14 01:37	
Zinc, Total	6010C	**53.3**		mg/Kg	2.3	1	7/23/14	7/25/14 01:37	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 15:54
Sample Name:	SB-4 8-9'	**Units:**	µg/Kg
Lab Code:	R1405442-005	**Basis:**	Dry
		Percent Solids:	83.1

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9856.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.0	U	6.0	
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U	6.0	
79-00-5	1,1,2-Trichloroethane	6.0	U	6.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	6.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.0	U	6.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.0	U	6.0	
87-61-6	1,2,3-Trichlorobenzene	6.0	U	6.0	
120-82-1	1,2,4-Trichlorobenzene	6.0	U	6.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.0	U	6.0	
106-93-4	1,2-Dibromoethane	6.0	U	6.0	
95-50-1	1,2-Dichlorobenzene	6.0	U	6.0	
107-06-2	1,2-Dichloroethane	6.0	U	6.0	
78-87-5	1,2-Dichloropropane	6.0	U	6.0	
541-73-1	1,3-Dichlorobenzene	6.0	U	6.0	
106-46-7	1,4-Dichlorobenzene	6.0	U	6.0	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	6.0	U	6.0	
591-78-6	2-Hexanone	6.0	U	6.0	
108-10-1	4-Methyl-2-pentanone	6.0	U	6.0	
67-64-1	Acetone	6.0	U	6.0	
71-43-2	Benzene	6.0	U	6.0	
74-97-5	Bromochloromethane	6.0	U	6.0	
75-27-4	Bromodichloromethane	6.0	U	6.0	
75-25-2	Bromoform	6.0	U	6.0	
74-83-9	Bromomethane	6.0	U	6.0	
75-15-0	Carbon Disulfide	6.0	U	6.0	
56-23-5	Carbon Tetrachloride	6.0	U	6.0	
108-90-7	Chlorobenzene	6.0	U	6.0	
75-00-3	Chloroethane	6.0	U	6.0	
67-66-3	Chloroform	6.0	U	6.0	
74-87-3	Chloromethane	6.0	U	6.0	
110-82-7	Cyclohexane	6.0	U	6.0	
124-48-1	Dibromochloromethane	6.0	U	6.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.0	U	6.0	
75-09-2	Dichloromethane	6.0	U	6.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 15:54
Sample Name:	SB-4 8-9'	**Units:**	µg/Kg
Lab Code:	R1405442-005	**Basis:**	Dry
		Percent Solids:	83.1

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9856.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	6.0	U	6.0	
98-82-8	Isopropylbenzene (Cumene)	6.0	U	6.0	
79-20-9	Methyl Acetate	6.0	U	6.0	
1634-04-4	Methyl tert-Butyl Ether	6.0	U	6.0	
108-87-2	Methylcyclohexane	6.0	U	6.0	
100-42-5	Styrene	6.0	U	6.0	
127-18-4	Tetrachloroethene (PCE)	6.0	U	6.0	
108-88-3	Toluene	6.0	U	6.0	
79-01-6	Trichloroethene (TCE)	6.0	U	6.0	
75-69-4	Trichlorofluoromethane (CFC 11)	6.0	U	6.0	
75-01-4	Vinyl Chloride	6.0	U	6.0	
156-59-2	cis-1,2-Dichloroethene	6.0	U	6.0	
10061-01-5	cis-1,3-Dichloropropene	6.0	U	6.0	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.0	U	6.0	
156-60-5	trans-1,2-Dichloroethene	6.0	U	6.0	
10061-02-6	trans-1,3-Dichloropropene	6.0	U	6.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	51-136	7/17/14 15:54	
Dibromofluoromethane	97	63-138	7/17/14 15:54	
Toluene-d8	100	66-138	7/17/14 15:54	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Extracted:	7/24/14
		Date Analyzed:	7/25/14 14:59
Sample Name:	SB-4 8-9'	**Units:**	µg/Kg
Lab Code:	R1405442-005	**Basis:**	Dry
		Percent Solids:	83.1

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403784
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072514\BL561.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	7.9	U	7.9	
208-96-8	Acenaphthylene	7.9	U	7.9	
120-12-7	Anthracene	7.9	U	7.9	
56-55-3	Benz(a)anthracene	7.9	U	7.9	
50-32-8	Benzo(a)pyrene	7.9	U	7.9	
205-99-2	Benzo(b)fluoranthene	7.9	U	7.9	
191-24-2	Benzo(g,h,i)perylene	7.9	U	7.9	
207-08-9	Benzo(k)fluoranthene	7.9	U	7.9	
218-01-9	Chrysene	7.9	U	7.9	
53-70-3	Dibenz(a,h)anthracene	7.9	U	7.9	
206-44-0	Fluoranthene	**13**		7.9	
86-73-7	Fluorene	7.9	U	7.9	
193-39-5	Indeno(1,2,3-cd)pyrene	7.9	U	7.9	
91-20-3	Naphthalene	7.9	U	7.9	
85-01-8	Phenanthrene	**11**		7.9	
129-00-0	Pyrene	**9.6**		7.9	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	80	17-141	7/25/14 14:59	
Nitrobenzene-d5	79	16-161	7/25/14 14:59	
p-Terphenyl-d14	106	13-167	7/25/14 14:59	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-5 6-7'		
Lab Code:	R1405442-006	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**82.8**		Percent	1.0	1	NA	7/22/14 08:50	



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-5 6-7'		
Lab Code:	R1405442-006	**Basis:**	Dry
		Percent Solids:	82.8

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	**0.48**		mg/Kg	0.46	1	7/23/14	7/23/14 14:51	
Chromium, Hexavalent	7199	0.46	U	mg/Kg	0.46	1	7/23/14	7/23/14 14:42	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/14/14
Date Received: 7/15/14

Sample Name: SB-5 6-7'
Lab Code: R1405442-006

Basis: Dry
Percent Solids: 82.8

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**9710**		mg/Kg	12	1	7/23/14	7/25/14 01:43	
Antimony, Total	6010C	7.0	U	mg/Kg	7.0	1	7/23/14	7/25/14 01:43	
Arsenic, Total	6010C	**3.5**		mg/Kg	1.2	1	7/23/14	7/25/14 01:43	
Barium, Total	6010C	**73.0**		mg/Kg	2.3	1	7/23/14	7/25/14 01:43	
Beryllium, Total	6010C	**0.48**		mg/Kg	0.35	1	7/23/14	7/25/14 01:43	
Cadmium, Total	6010C	0.58	U	mg/Kg	0.58	1	7/23/14	7/25/14 01:43	
Calcium, Total	6010C	**67100**		mg/Kg	1200	10	7/23/14	7/25/14 03:51	
Chromium, Total	6010C	**13.4**		mg/Kg	1.2	1	7/23/14	7/25/14 01:43	
Cobalt, Total	6010C	**7.1**		mg/Kg	5.8	1	7/23/14	7/25/14 01:43	
Copper, Total	6010C	**13.9**		mg/Kg	2.3	1	7/23/14	7/25/14 01:43	
Iron, Total	6010C	**18100**		mg/Kg	120	10	7/23/14	7/25/14 03:51	
Lead, Total	6010C	**10.9**		mg/Kg	5.8	1	7/23/14	7/25/14 01:43	
Magnesium, Total	6010C	**17400**		mg/Kg	120	1	7/23/14	7/25/14 01:43	
Manganese, Total	6010C	**558**		mg/Kg	1.2	1	7/23/14	7/25/14 01:43	
Mercury, Total	7471B	0.037	U	mg/Kg	0.037	1	7/25/14	7/25/14 17:08	
Nickel, Total	6010C	**15.4**		mg/Kg	4.6	1	7/23/14	7/25/14 01:43	
Potassium, Total	6010C	**2200**		mg/Kg	230	1	7/23/14	7/25/14 01:43	
Selenium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:43	
Silver, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:43	
Sodium, Total	6010C	**150**		mg/Kg	120	1	7/23/14	7/25/14 01:43	
Thallium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:43	
Vanadium, Total	6010C	**18.2**		mg/Kg	5.8	1	7/23/14	7/25/14 01:43	
Zinc, Total	6010C	**52.2**		mg/Kg	2.3	1	7/23/14	7/25/14 01:43	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 16:31
Sample Name:	SB-5 6-7'	**Units:**	µg/Kg
Lab Code:	R1405442-006	**Basis:**	Dry
		Percent Solids:	82.8

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9857.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.0	U	6.0	
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U	6.0	
79-00-5	1,1,2-Trichloroethane	6.0	U	6.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	6.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.0	U	6.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.0	U	6.0	
87-61-6	1,2,3-Trichlorobenzene	6.0	U	6.0	
120-82-1	1,2,4-Trichlorobenzene	6.0	U	6.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.0	U	6.0	
106-93-4	1,2-Dibromoethane	6.0	U	6.0	
95-50-1	1,2-Dichlorobenzene	6.0	U	6.0	
107-06-2	1,2-Dichloroethane	6.0	U	6.0	
78-87-5	1,2-Dichloropropane	6.0	U	6.0	
541-73-1	1,3-Dichlorobenzene	6.0	U	6.0	
106-46-7	1,4-Dichlorobenzene	6.0	U	6.0	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	6.0	U	6.0	
591-78-6	2-Hexanone	6.0	U	6.0	
108-10-1	4-Methyl-2-pentanone	6.0	U	6.0	
67-64-1	Acetone	44		6.0	
71-43-2	Benzene	6.0	U	6.0	
74-97-5	Bromochloromethane	6.0	U	6.0	
75-27-4	Bromodichloromethane	6.0	U	6.0	
75-25-2	Bromoform	6.0	U	6.0	
74-83-9	Bromomethane	6.0	U	6.0	
75-15-0	Carbon Disulfide	6.0	U	6.0	
56-23-5	Carbon Tetrachloride	6.0	U	6.0	
108-90-7	Chlorobenzene	6.0	U	6.0	
75-00-3	Chloroethane	6.0	U	6.0	
67-66-3	Chloroform	6.0	U	6.0	
74-87-3	Chloromethane	6.0	U	6.0	
110-82-7	Cyclohexane	37		6.0	
124-48-1	Dibromochloromethane	6.0	U	6.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.0	U	6.0	
75-09-2	Dichloromethane	6.0	U	6.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 16:31
Sample Name:	SB-5 6-7'	**Units:**	µg/Kg
Lab Code:	R1405442-006	**Basis:**	Dry
		Percent Solids:	82.8

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9857.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	6.0	U	6.0	
98-82-8	Isopropylbenzene (Cumene)	6.0	U	6.0	
79-20-9	Methyl Acetate	6.0	U	6.0	
1634-04-4	Methyl tert-Butyl Ether	6.0	U	6.0	
108-87-2	Methylcyclohexane	**16**		6.0	
100-42-5	Styrene	6.0	U	6.0	
127-18-4	Tetrachloroethene (PCE)	6.0	U	6.0	
108-88-3	Toluene	6.0	U	6.0	
79-01-6	Trichloroethene (TCE)	6.0	U	6.0	
75-69-4	Trichlorofluoromethane (CFC 11)	6.0	U	6.0	
75-01-4	Vinyl Chloride	6.0	U	6.0	
156-59-2	cis-1,2-Dichloroethene	6.0	U	6.0	
10061-01-5	cis-1,3-Dichloropropene	6.0	U	6.0	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.0	U	6.0	
156-60-5	trans-1,2-Dichloroethene	6.0	U	6.0	
10061-02-6	trans-1,3-Dichloropropene	6.0	U	6.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	51-136	7/17/14 16:31	
Dibromofluoromethane	99	63-138	7/17/14 16:31	
Toluene-d8	103	66-138	7/17/14 16:31	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Extracted:	7/24/14
		Date Analyzed:	7/28/14 13:28
Sample Name:	SB-5 6-7'	**Units:**	µg/Kg
Lab Code:	R1405442-006	**Basis:**	Dry
		Percent Solids:	82.8

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403965
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072814\BL585.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	80	U	80	
208-96-8	Acenaphthylene	80	U	80	
120-12-7	Anthracene	80	U	80	
56-55-3	Benz(a)anthracene	80	U	80	
50-32-8	Benzo(a)pyrene	80	U	80	
205-99-2	Benzo(b)fluoranthene	80	U	80	
191-24-2	Benzo(g,h,i)perylene	80	U	80	
207-08-9	Benzo(k)fluoranthene	80	U	80	
218-01-9	Chrysene	93		80	
53-70-3	Dibenz(a,h)anthracene	80	U	80	
206-44-0	Fluoranthene	80	U	80	
86-73-7	Fluorene	80	U	80	
193-39-5	Indeno(1,2,3-cd)pyrene	80	U	80	
91-20-3	Naphthalene	80	U	80	
85-01-8	Phenanthrene	80	U	80	
129-00-0	Pyrene	80	U	80	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	55	17-141	7/28/14 13:28	
Nitrobenzene-d5	70	16-161	7/28/14 13:28	
p-Terphenyl-d14	110	13-167	7/28/14 13:28	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-6 8-9'		
Lab Code:	R1405442-007	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	83.2		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-6 8-9'		
Lab Code:	R1405442-007	**Basis:**	Dry
		Percent Solids:	83.2

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.47	U	mg/Kg	0.47	1	7/23/14	7/23/14 15:06	
Chromium, Hexavalent	7199	0.47	U	mg/Kg	0.47	1	7/23/14	7/23/14 14:58	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-6 8-9'		
Lab Code:	R1405442-007	**Basis:**	Dry
		Percent Solids:	83.2

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**12400**		mg/Kg	11	1	7/23/14	7/25/14 01:49	
Antimony, Total	6010C	6.9	U	mg/Kg	6.9	1	7/23/14	7/25/14 01:49	
Arsenic, Total	6010C	**3.7**		mg/Kg	1.1	1	7/23/14	7/25/14 01:49	
Barium, Total	6010C	**95.1**		mg/Kg	2.3	1	7/23/14	7/25/14 01:49	
Beryllium, Total	6010C	**0.61**		mg/Kg	0.34	1	7/23/14	7/25/14 01:49	
Cadmium, Total	6010C	0.57	U	mg/Kg	0.57	1	7/23/14	7/25/14 01:49	
Calcium, Total	6010C	**70900**		mg/Kg	1100	10	7/23/14	7/25/14 03:59	
Chromium, Total	6010C	**17.1**		mg/Kg	1.1	1	7/23/14	7/25/14 01:49	
Cobalt, Total	6010C	**8.7**		mg/Kg	5.7	1	7/23/14	7/25/14 01:49	
Copper, Total	6010C	**19.0**		mg/Kg	2.3	1	7/23/14	7/25/14 01:49	
Iron, Total	6010C	**22500**		mg/Kg	110	10	7/23/14	7/25/14 03:59	
Lead, Total	6010C	**14.3**		mg/Kg	5.7	1	7/23/14	7/25/14 01:49	
Magnesium, Total	6010C	**23400**		mg/Kg	110	1	7/23/14	7/25/14 01:49	
Manganese, Total	6010C	**481**		mg/Kg	1.1	1	7/23/14	7/25/14 01:49	
Mercury, Total	7471B	0.040	U	mg/Kg	0.040	1	7/25/14	7/25/14 17:10	
Nickel, Total	6010C	**18.7**		mg/Kg	4.6	1	7/23/14	7/25/14 01:49	
Potassium, Total	6010C	**2650**		mg/Kg	230	1	7/23/14	7/25/14 01:49	
Selenium, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 01:49	
Silver, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 01:49	
Sodium, Total	6010C	**870**		mg/Kg	110	1	7/23/14	7/25/14 01:49	
Thallium, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 01:49	
Vanadium, Total	6010C	**24.2**		mg/Kg	5.7	1	7/23/14	7/25/14 01:49	
Zinc, Total	6010C	**66.0**		mg/Kg	2.3	1	7/23/14	7/25/14 01:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 17:09
Sample Name:	SB-6 8-9'	**Units:**	µg/Kg
Lab Code:	R1405442-007	**Basis:**	Dry
		Percent Solids:	83.2

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9858.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.0	U	6.0	
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U	6.0	
79-00-5	1,1,2-Trichloroethane	6.0	U	6.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	6.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.0	U	6.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.0	U	6.0	
87-61-6	1,2,3-Trichlorobenzene	6.0	U	6.0	
120-82-1	1,2,4-Trichlorobenzene	6.0	U	6.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.0	U	6.0	
106-93-4	1,2-Dibromoethane	6.0	U	6.0	
95-50-1	1,2-Dichlorobenzene	6.0	U	6.0	
107-06-2	1,2-Dichloroethane	6.0	U	6.0	
78-87-5	1,2-Dichloropropane	6.0	U	6.0	
541-73-1	1,3-Dichlorobenzene	6.0	U	6.0	
106-46-7	1,4-Dichlorobenzene	6.0	U	6.0	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	6.0	U	6.0	
591-78-6	2-Hexanone	6.0	U	6.0	
108-10-1	4-Methyl-2-pentanone	6.0	U	6.0	
67-64-1	Acetone	11		6.0	
71-43-2	Benzene	6.0	U	6.0	
74-97-5	Bromochloromethane	6.0	U	6.0	
75-27-4	Bromodichloromethane	6.0	U	6.0	
75-25-2	Bromoform	6.0	U	6.0	
74-83-9	Bromomethane	6.0	U	6.0	
75-15-0	Carbon Disulfide	6.0	U	6.0	
56-23-5	Carbon Tetrachloride	6.0	U	6.0	
108-90-7	Chlorobenzene	6.0	U	6.0	
75-00-3	Chloroethane	6.0	U	6.0	
67-66-3	Chloroform	6.0	U	6.0	
74-87-3	Chloromethane	6.0	U	6.0	
110-82-7	Cyclohexane	6.0	U	6.0	
124-48-1	Dibromochloromethane	6.0	U	6.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.0	U	6.0	
75-09-2	Dichloromethane	6.0	U	6.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/14/14
Date Received: 7/15/14
Date Analyzed: 7/17/14 17:09

Sample Name: SB-6 8-9'
Lab Code: R1405442-007

Units: µg/Kg
Basis: Dry
Percent Solids: 83.2

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Data File Name: I:\ACQUDATA\MSVOA7\DATA\071714\K9858.D\

Analysis Lot: 402249
Instrument Name: R-MS-07
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	6.0	U	6.0	
98-82-8	Isopropylbenzene (Cumene)	6.0	U	6.0	
79-20-9	Methyl Acetate	6.0	U	6.0	
1634-04-4	Methyl tert-Butyl Ether	6.0	U	6.0	
108-87-2	Methylcyclohexane	6.0	U	6.0	
100-42-5	Styrene	6.0	U	6.0	
127-18-4	Tetrachloroethene (PCE)	6.0	U	6.0	
108-88-3	Toluene	6.0	U	6.0	
79-01-6	Trichloroethene (TCE)	6.0	U	6.0	
75-69-4	Trichlorofluoromethane (CFC 11)	6.0	U	6.0	
75-01-4	Vinyl Chloride	6.0	U	6.0	
156-59-2	cis-1,2-Dichloroethene	6.0	U	6.0	
10061-01-5	cis-1,3-Dichloropropene	6.0	U	6.0	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.0	U	6.0	
156-60-5	trans-1,2-Dichloroethene	6.0	U	6.0	
10061-02-6	trans-1,3-Dichloropropene	6.0	U	6.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	51-136	7/17/14 17:09	
Dibromofluoromethane	96	63-138	7/17/14 17:09	
Toluene-d8	103	66-138	7/17/14 17:09	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Extracted:	7/24/14
		Date Analyzed:	7/25/14 16:26
Sample Name:	SB-6 8-9'	**Units:**	µg/Kg
Lab Code:	R1405442-007	**Basis:**	Dry
		Percent Solids:	83.2

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403784
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072514\BL563.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	7.9	U	7.9	
208-96-8	Acenaphthylene	7.9	U	7.9	
120-12-7	Anthracene	7.9	U	7.9	
56-55-3	Benz(a)anthracene	7.9	U	7.9	
50-32-8	Benzo(a)pyrene	7.9	U	7.9	
205-99-2	Benzo(b)fluoranthene	7.9	U	7.9	
191-24-2	Benzo(g,h,i)perylene	7.9	U	7.9	
207-08-9	Benzo(k)fluoranthene	7.9	U	7.9	
218-01-9	Chrysene	7.9	U	7.9	
53-70-3	Dibenz(a,h)anthracene	7.9	U	7.9	
206-44-0	Fluoranthene	7.9	U	7.9	
86-73-7	Fluorene	7.9	U	7.9	
193-39-5	Indeno(1,2,3-cd)pyrene	7.9	U	7.9	
91-20-3	Naphthalene	**18**		7.9	
85-01-8	Phenanthrene	**8.4**		7.9	
129-00-0	Pyrene	7.9	U	7.9	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	70	17-141	7/25/14 16:26	
Nitrobenzene-d5	90	16-161	7/25/14 16:26	
p-Terphenyl-d14	128	13-167	7/25/14 16:26	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-7 3.5-4'		
Lab Code:	R1405442-008	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**81.8**		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-7 3.5-4'		
Lab Code:	R1405442-008	**Basis:**	Dry
		Percent Solids:	81.8

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	**0.60**		mg/Kg	0.47	1	7/23/14	7/23/14 15:21	
Chromium, Hexavalent	7199	**0.61**		mg/Kg	0.47	1	7/23/14	7/23/14 15:13	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-7 3.5-4'		
Lab Code:	R1405442-008	**Basis:**	Dry
		Percent Solids:	81.8

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**10400**		mg/Kg	12	1	7/23/14	7/25/14 01:57	
Antimony, Total	6010C	7.1	U	mg/Kg	7.1	1	7/23/14	7/25/14 01:57	
Arsenic, Total	6010C	**3.9**		mg/Kg	1.2	1	7/23/14	7/25/14 01:57	
Barium, Total	6010C	**85.0**		mg/Kg	2.4	1	7/23/14	7/25/14 01:57	
Beryllium, Total	6010C	**0.51**		mg/Kg	0.35	1	7/23/14	7/25/14 01:57	
Cadmium, Total	6010C	0.59	U	mg/Kg	0.59	1	7/23/14	7/25/14 01:57	
Calcium, Total	6010C	**3820**		mg/Kg	120	1	7/23/14	7/25/14 01:57	
Chromium, Total	6010C	**12.9**		mg/Kg	1.2	1	7/23/14	7/25/14 01:57	
Cobalt, Total	6010C	**7.3**		mg/Kg	5.9	1	7/23/14	7/25/14 01:57	
Copper, Total	6010C	**14.6**		mg/Kg	2.4	1	7/23/14	7/25/14 01:57	
Iron, Total	6010C	**17200**		mg/Kg	120	10	7/23/14	7/25/14 04:05	
Lead, Total	6010C	**75.6**		mg/Kg	5.9	1	7/23/14	7/25/14 01:57	
Magnesium, Total	6010C	**3090**		mg/Kg	120	1	7/23/14	7/25/14 01:57	
Manganese, Total	6010C	**207**		mg/Kg	1.2	1	7/23/14	7/25/14 01:57	
Mercury, Total	7471B	**0.344**		mg/Kg	0.040	1	7/25/14	7/25/14 17:11	
Nickel, Total	6010C	**12.0**		mg/Kg	4.7	1	7/23/14	7/25/14 01:57	
Potassium, Total	6010C	**1320**		mg/Kg	240	1	7/23/14	7/25/14 01:57	
Selenium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:57	
Silver, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:57	
Sodium, Total	6010C	**2040**		mg/Kg	120	1	7/23/14	7/25/14 01:57	
Thallium, Total	6010C	1.2	U	mg/Kg	1.2	1	7/23/14	7/25/14 01:57	
Vanadium, Total	6010C	**21.5**		mg/Kg	5.9	1	7/23/14	7/25/14 01:57	
Zinc, Total	6010C	**74.5**		mg/Kg	2.4	1	7/23/14	7/25/14 01:57	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 17:46
Sample Name:	SB-7 3.5-4'	**Units:**	µg/Kg
Lab Code:	R1405442-008	**Basis:**	Dry
		Percent Solids:	81.8

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9859.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.1	U	6.1	
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	6.1	
79-00-5	1,1,2-Trichloroethane	6.1	U	6.1	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	6.1	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.1	U	6.1	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.1	U	6.1	
87-61-6	1,2,3-Trichlorobenzene	6.1	U	6.1	
120-82-1	1,2,4-Trichlorobenzene	6.1	U	6.1	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.1	U	6.1	
106-93-4	1,2-Dibromoethane	6.1	U	6.1	
95-50-1	1,2-Dichlorobenzene	6.1	U	6.1	
107-06-2	1,2-Dichloroethane	6.1	U	6.1	
78-87-5	1,2-Dichloropropane	6.1	U	6.1	
541-73-1	1,3-Dichlorobenzene	6.1	U	6.1	
106-46-7	1,4-Dichlorobenzene	6.1	U	6.1	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	6.1	U	6.1	
591-78-6	2-Hexanone	6.1	U	6.1	
108-10-1	4-Methyl-2-pentanone	6.1	U	6.1	
67-64-1	Acetone	7.3		6.1	
71-43-2	Benzene	6.1	U	6.1	
74-97-5	Bromochloromethane	6.1	U	6.1	
75-27-4	Bromodichloromethane	6.1	U	6.1	
75-25-2	Bromoform	6.1	U	6.1	
74-83-9	Bromomethane	6.1	U	6.1	
75-15-0	Carbon Disulfide	6.1	U	6.1	
56-23-5	Carbon Tetrachloride	6.1	U	6.1	
108-90-7	Chlorobenzene	6.1	U	6.1	
75-00-3	Chloroethane	6.1	U	6.1	
67-66-3	Chloroform	6.1	U	6.1	
74-87-3	Chloromethane	6.1	U	6.1	
110-82-7	Cyclohexane	6.1	U	6.1	
124-48-1	Dibromochloromethane	6.1	U	6.1	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.1	U	6.1	
75-09-2	Dichloromethane	6.1	U	6.1	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 17:46
Sample Name:	SB-7 3.5-4'	**Units:**	µg/Kg
Lab Code:	R1405442-008	**Basis:**	Dry
		Percent Solids:	81.8

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9859.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	6.1	U	6.1	
98-82-8	Isopropylbenzene (Cumene)	6.1	U	6.1	
79-20-9	Methyl Acetate	6.1	U	6.1	
1634-04-4	Methyl tert-Butyl Ether	6.1	U	6.1	
108-87-2	Methylcyclohexane	6.1	U	6.1	
100-42-5	Styrene	6.1	U	6.1	
127-18-4	Tetrachloroethene (PCE)	6.1	U	6.1	
108-88-3	Toluene	6.1	U	6.1	
79-01-6	Trichloroethene (TCE)	6.1	U	6.1	
75-69-4	Trichlorofluoromethane (CFC 11)	6.1	U	6.1	
75-01-4	Vinyl Chloride	6.1	U	6.1	
156-59-2	cis-1,2-Dichloroethene	6.1	U	6.1	
10061-01-5	cis-1,3-Dichloropropene	6.1	U	6.1	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.1	U	6.1	
156-60-5	trans-1,2-Dichloroethene	6.1	U	6.1	
10061-02-6	trans-1,3-Dichloropropene	6.1	U	6.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	51-136	7/17/14 17:46	
Dibromofluoromethane	97	63-138	7/17/14 17:46	
Toluene-d8	101	66-138	7/17/14 17:46	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Extracted:	7/24/14
		Date Analyzed:	7/25/14 16:56
Sample Name:	SB-7 3.5-4'	**Units:**	µg/Kg
Lab Code:	R1405442-008	**Basis:**	Dry
		Percent Solids:	81.8

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403784
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072514\BL564.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	8.1	U	8.1	
208-96-8	Acenaphthylene	8.1	U	8.1	
120-12-7	Anthracene	8.1	U	8.1	
56-55-3	Benz(a)anthracene	**9.0**		8.1	
50-32-8	Benzo(a)pyrene	8.1	U	8.1	
205-99-2	Benzo(b)fluoranthene	**8.6**		8.1	
191-24-2	Benzo(g,h,i)perylene	8.1	U	8.1	
207-08-9	Benzo(k)fluoranthene	8.1	U	8.1	
218-01-9	Chrysene	**11**		8.1	
53-70-3	Dibenz(a,h)anthracene	8.1	U	8.1	
206-44-0	Fluoranthene	**17**		8.1	
86-73-7	Fluorene	8.1	U	8.1	
193-39-5	Indeno(1,2,3-cd)pyrene	8.1	U	8.1	
91-20-3	Naphthalene	8.1	U	8.1	
85-01-8	Phenanthrene	**14**		8.1	
129-00-0	Pyrene	**15**		8.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	80	17-141	7/25/14 16:56	
Nitrobenzene-d5	80	16-161	7/25/14 16:56	
p-Terphenyl-d14	120	13-167	7/25/14 16:56	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Water	**Date Received:**	7/15/14
		Date Analyzed:	7/23/14 14:02
Sample Name:	TRIP BLANK	**Units:**	µg/L
Lab Code:	R1405442-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402949
Data File Name:	I:\ACQUDATA\msvoa10\data\072314\A0561.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Water	**Date Received:**	7/15/14
		Date Analyzed:	7/23/14 14:02
Sample Name:	TRIP BLANK	**Units:**	µg/L
Lab Code:	R1405442-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402949
Data File Name:	I:\ACQUDATA\msvoa10\data\072314\A0561.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	7/23/14 14:02	
Dibromofluoromethane	100	89-119	7/23/14 14:02	
Toluene-d8	102	87-121	7/23/14 14:02	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-8 15-16'		
Lab Code:	R1405442-010	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	83.2		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 18:24
Sample Name:	SB-8 15-16'	**Units:**	µg/Kg
Lab Code:	R1405442-010	**Basis:**	Dry
		Percent Solids:	83.2

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9860.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.0	U	6.0	
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U	6.0	
79-00-5	1,1,2-Trichloroethane	6.0	U	6.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	6.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.0	U	6.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.0	U	6.0	
87-61-6	1,2,3-Trichlorobenzene	6.0	U	6.0	
120-82-1	1,2,4-Trichlorobenzene	6.0	U	6.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.0	U	6.0	
106-93-4	1,2-Dibromoethane	6.0	U	6.0	
95-50-1	1,2-Dichlorobenzene	6.0	U	6.0	
107-06-2	1,2-Dichloroethane	6.0	U	6.0	
78-87-5	1,2-Dichloropropane	6.0	U	6.0	
541-73-1	1,3-Dichlorobenzene	6.0	U	6.0	
106-46-7	1,4-Dichlorobenzene	6.0	U	6.0	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	6.0	U	6.0	
591-78-6	2-Hexanone	6.0	U	6.0	
108-10-1	4-Methyl-2-pentanone	6.0	U	6.0	
67-64-1	Acetone	6.0	U	6.0	
71-43-2	Benzene	6.0	U	6.0	
74-97-5	Bromochloromethane	6.0	U	6.0	
75-27-4	Bromodichloromethane	6.0	U	6.0	
75-25-2	Bromoform	6.0	U	6.0	
74-83-9	Bromomethane	6.0	U	6.0	
75-15-0	Carbon Disulfide	6.0	U	6.0	
56-23-5	Carbon Tetrachloride	6.0	U	6.0	
108-90-7	Chlorobenzene	6.0	U	6.0	
75-00-3	Chloroethane	6.0	U	6.0	
67-66-3	Chloroform	6.0	U	6.0	
74-87-3	Chloromethane	6.0	U	6.0	
110-82-7	Cyclohexane	6.0	U	6.0	
124-48-1	Dibromochloromethane	6.0	U	6.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.0	U	6.0	
75-09-2	Dichloromethane	6.0	U	6.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/17/14 18:24
Sample Name:	SB-8 15-16'	**Units:**	µg/Kg
Lab Code:	R1405442-010	**Basis:**	Dry
		Percent Solids:	83.2

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9860.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	6.0	U	6.0	
98-82-8	Isopropylbenzene (Cumene)	6.0	U	6.0	
79-20-9	Methyl Acetate	6.0	U	6.0	
1634-04-4	Methyl tert-Butyl Ether	6.0	U	6.0	
108-87-2	Methylcyclohexane	6.0	U	6.0	
100-42-5	Styrene	6.0	U	6.0	
127-18-4	Tetrachloroethene (PCE)	6.0	U	6.0	
108-88-3	Toluene	6.0	U	6.0	
79-01-6	Trichloroethene (TCE)	6.0	U	6.0	
75-69-4	Trichlorofluoromethane (CFC 11)	6.0	U	6.0	
75-01-4	Vinyl Chloride	6.0	U	6.0	
156-59-2	cis-1,2-Dichloroethene	6.0	U	6.0	
10061-01-5	cis-1,3-Dichloropropene	6.0	U	6.0	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.0	U	6.0	
156-60-5	trans-1,2-Dichloroethene	6.0	U	6.0	
10061-02-6	trans-1,3-Dichloropropene	6.0	U	6.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	51-136	7/17/14 18:24	
Dibromofluoromethane	97	63-138	7/17/14 18:24	
Toluene-d8	104	66-138	7/17/14 18:24	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-9 9-10'		
Lab Code:	R1405442-011	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**85.2**		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-9 9-10'		
Lab Code:	R1405442-011	**Basis:**	Dry
		Percent Solids:	85.2

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.46	U	mg/Kg	0.46	1	7/23/14	7/23/14 15:36	
Chromium, Hexavalent	7199	0.46	U	mg/Kg	0.46	1	7/23/14	7/23/14 15:28	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/15/14
Date Received: 7/15/14

Sample Name: SB-9 9-10'
Lab Code: R1405442-011

Basis: Dry
Percent Solids: 85.2

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**12600**		mg/Kg	11	1	7/23/14	7/25/14 02:03	
Antimony, Total	6010C	6.8	U	mg/Kg	6.8	1	7/23/14	7/25/14 02:03	
Arsenic, Total	6010C	**4.9**		mg/Kg	1.1	1	7/23/14	7/25/14 02:03	
Barium, Total	6010C	**93.4**		mg/Kg	2.3	1	7/23/14	7/25/14 02:03	
Beryllium, Total	6010C	**0.62**		mg/Kg	0.34	1	7/23/14	7/25/14 02:03	
Cadmium, Total	6010C	0.57	U	mg/Kg	0.57	1	7/23/14	7/25/14 02:03	
Calcium, Total	6010C	**73600**		mg/Kg	1100	10	7/23/14	7/25/14 04:11	
Chromium, Total	6010C	**17.4**		mg/Kg	1.1	1	7/23/14	7/25/14 02:03	
Cobalt, Total	6010C	**9.6**		mg/Kg	5.7	1	7/23/14	7/25/14 02:03	
Copper, Total	6010C	**19.1**		mg/Kg	2.3	1	7/23/14	7/25/14 02:03	
Iron, Total	6010C	**24200**		mg/Kg	110	10	7/23/14	7/25/14 04:11	
Lead, Total	6010C	**13.9**		mg/Kg	5.7	1	7/23/14	7/25/14 02:03	
Magnesium, Total	6010C	**22100**		mg/Kg	110	1	7/23/14	7/25/14 02:03	
Manganese, Total	6010C	**467**		mg/Kg	1.1	1	7/23/14	7/25/14 02:03	
Mercury, Total	7471B	**0.042**		mg/Kg	0.039	1	7/25/14	7/25/14 17:13	
Nickel, Total	6010C	**19.7**		mg/Kg	4.6	1	7/23/14	7/25/14 02:03	
Potassium, Total	6010C	**2700**		mg/Kg	230	1	7/23/14	7/25/14 02:03	
Selenium, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 02:03	
Silver, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 02:03	
Sodium, Total	6010C	**670**		mg/Kg	110	1	7/23/14	7/25/14 02:03	
Thallium, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 02:03	
Vanadium, Total	6010C	**24.2**		mg/Kg	5.7	1	7/23/14	7/25/14 02:03	
Zinc, Total	6010C	**67.4**		mg/Kg	2.3	1	7/23/14	7/25/14 02:03	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/18/14 12:18
Sample Name:	SB-9 9-10'	**Units:**	µg/Kg
Lab Code:	R1405442-011	**Basis:**	Dry
		Percent Solids:	85.2

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402250
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071814\K9873.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	5.9	U	5.9	
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U	5.9	
79-00-5	1,1,2-Trichloroethane	5.9	U	5.9	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.9	U	5.9	
75-34-3	1,1-Dichloroethane (1,1-DCA)	5.9	U	5.9	
75-35-4	1,1-Dichloroethene (1,1-DCE)	5.9	U	5.9	
87-61-6	1,2,3-Trichlorobenzene	5.9	U	5.9	
120-82-1	1,2,4-Trichlorobenzene	5.9	U	5.9	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	5.9	U	5.9	
106-93-4	1,2-Dibromoethane	5.9	U	5.9	
95-50-1	1,2-Dichlorobenzene	5.9	U	5.9	
107-06-2	1,2-Dichloroethane	5.9	U	5.9	
78-87-5	1,2-Dichloropropane	5.9	U	5.9	
541-73-1	1,3-Dichlorobenzene	5.9	U	5.9	
106-46-7	1,4-Dichlorobenzene	5.9	U	5.9	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	5.9	U	5.9	
591-78-6	2-Hexanone	5.9	U	5.9	
108-10-1	4-Methyl-2-pentanone	5.9	U	5.9	
67-64-1	Acetone	5.9	U	5.9	
71-43-2	Benzene	5.9	U	5.9	
74-97-5	Bromochloromethane	5.9	U	5.9	
75-27-4	Bromodichloromethane	5.9	U	5.9	
75-25-2	Bromoform	5.9	U	5.9	
74-83-9	Bromomethane	5.9	U	5.9	
75-15-0	Carbon Disulfide	5.9	U	5.9	
56-23-5	Carbon Tetrachloride	5.9	U	5.9	
108-90-7	Chlorobenzene	5.9	U	5.9	
75-00-3	Chloroethane	5.9	U	5.9	
67-66-3	Chloroform	5.9	U	5.9	
74-87-3	Chloromethane	5.9	U	5.9	
110-82-7	Cyclohexane	5.9	U	5.9	
124-48-1	Dibromochloromethane	5.9	U	5.9	
75-71-8	Dichlorodifluoromethane (CFC 12)	5.9	U	5.9	
75-09-2	Dichloromethane	5.9	U	5.9	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/18/14 12:18
Sample Name:	SB-9 9-10'	**Units:**	µg/Kg
Lab Code:	R1405442-011	**Basis:**	Dry
		Percent Solids:	85.2

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402250
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071814\K9873.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	5.9	U	5.9	
98-82-8	Isopropylbenzene (Cumene)	5.9	U	5.9	
79-20-9	Methyl Acetate	5.9	U	5.9	
1634-04-4	Methyl tert-Butyl Ether	5.9	U	5.9	
108-87-2	Methylcyclohexane	5.9	U	5.9	
100-42-5	Styrene	5.9	U	5.9	
127-18-4	Tetrachloroethene (PCE)	5.9	U	5.9	
108-88-3	Toluene	5.9	U	5.9	
79-01-6	Trichloroethene (TCE)	5.9	U	5.9	
75-69-4	Trichlorofluoromethane (CFC 11)	5.9	U	5.9	
75-01-4	Vinyl Chloride	5.9	U	5.9	
156-59-2	cis-1,2-Dichloroethene	5.9	U	5.9	
10061-01-5	cis-1,3-Dichloropropene	5.9	U	5.9	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	5.9	U	5.9	
156-60-5	trans-1,2-Dichloroethene	5.9	U	5.9	
10061-02-6	trans-1,3-Dichloropropene	5.9	U	5.9	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	51-136	7/18/14 12:18	
Dibromofluoromethane	99	63-138	7/18/14 12:18	
Toluene-d8	102	66-138	7/18/14 12:18	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Extracted:	7/24/14
		Date Analyzed:	7/25/14 17:25
Sample Name:	SB-9 9-10'	**Units:**	µg/Kg
Lab Code:	R1405442-011	**Basis:**	Dry
		Percent Solids:	85.2

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403784
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072514\BL565.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	7.7	U	7.7	
208-96-8	Acenaphthylene	7.7	U	7.7	
120-12-7	Anthracene	7.7	U	7.7	
56-55-3	Benz(a)anthracene	7.7	U	7.7	
50-32-8	Benzo(a)pyrene	7.7	U	7.7	
205-99-2	Benzo(b)fluoranthene	7.7	U	7.7	
191-24-2	Benzo(g,h,i)perylene	7.7	U	7.7	
207-08-9	Benzo(k)fluoranthene	7.7	U	7.7	
218-01-9	Chrysene	7.7	U	7.7	
53-70-3	Dibenz(a,h)anthracene	7.7	U	7.7	
206-44-0	Fluoranthene	**13**		7.7	
86-73-7	Fluorene	7.7	U	7.7	
193-39-5	Indeno(1,2,3-cd)pyrene	7.7	U	7.7	
91-20-3	Naphthalene	**9.0**		7.7	
85-01-8	Phenanthrene	**8.6**		7.7	
129-00-0	Pyrene	**8.2**		7.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	74	17-141	7/25/14 17:25	
Nitrobenzene-d5	74	16-161	7/25/14 17:25	
p-Terphenyl-d14	100	13-167	7/25/14 17:25	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14 1035
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-12 12-14'		
Lab Code:	R1405442-012	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**85.0**		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14 1035
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SB-12 12-14'		
Lab Code:	R1405442-012	**Basis:**	Dry
		Percent Solids:	85.0

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.46	U	mg/Kg	0.46	1	7/23/14	7/23/14 16:09	
Chromium, Hexavalent	7199	0.46	U	mg/Kg	0.46	1	7/23/14	7/23/14 16:01	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/15/14 1035
Date Received: 7/15/14

Sample Name: SB-12 12-14'
Lab Code: R1405442-012

Basis: Dry
Percent Solids: 85.0

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**3650**		mg/Kg	11	1	7/23/14	7/25/14 02:09	
Antimony, Total	6010C	6.7	U	mg/Kg	6.7	1	7/23/14	7/25/14 02:09	
Arsenic, Total	6010C	**1.7**		mg/Kg	1.1	1	7/23/14	7/25/14 02:09	
Barium, Total	6010C	**56.9**		mg/Kg	2.2	1	7/23/14	7/25/14 02:09	
Beryllium, Total	6010C	0.34	U	mg/Kg	0.34	1	7/23/14	7/25/14 02:09	
Cadmium, Total	6010C	0.56	U	mg/Kg	0.56	1	7/23/14	7/25/14 02:09	
Calcium, Total	6010C	**86400**		mg/Kg	1100	10	7/23/14	7/25/14 04:18	
Chromium, Total	6010C	**6.7**		mg/Kg	1.1	1	7/23/14	7/25/14 02:09	
Cobalt, Total	6010C	5.6	U	mg/Kg	5.6	1	7/23/14	7/25/14 02:09	
Copper, Total	6010C	**8.3**		mg/Kg	2.2	1	7/23/14	7/25/14 02:09	
Iron, Total	6010C	**9140**		mg/Kg	110	10	7/23/14	7/25/14 04:18	
Lead, Total	6010C	**9.0**		mg/Kg	5.6	1	7/23/14	7/25/14 02:09	
Magnesium, Total	6010C	**20800**		mg/Kg	110	1	7/23/14	7/25/14 02:09	
Manganese, Total	6010C	**275**		mg/Kg	1.1	1	7/23/14	7/25/14 02:09	
Mercury, Total	7471B	0.037	U	mg/Kg	0.037	1	7/25/14	7/25/14 17:15	
Nickel, Total	6010C	**6.0**		mg/Kg	4.5	1	7/23/14	7/25/14 02:09	
Potassium, Total	6010C	**880**		mg/Kg	220	1	7/23/14	7/25/14 02:09	
Selenium, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 02:09	
Silver, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 02:09	
Sodium, Total	6010C	**220**		mg/Kg	110	1	7/23/14	7/25/14 02:09	
Thallium, Total	6010C	1.1	U	mg/Kg	1.1	1	7/23/14	7/25/14 02:09	
Vanadium, Total	6010C	**10.8**		mg/Kg	5.6	1	7/23/14	7/25/14 02:09	
Zinc, Total	6010C	**192**		mg/Kg	2.2	1	7/23/14	7/25/14 02:09	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14 1035
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/18/14 12:56
Sample Name:	SB-12 12-14'	**Units:**	µg/Kg
Lab Code:	R1405442-012	**Basis:**	Dry
		Percent Solids:	85.0

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402250
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071814\K9874.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	5.9	U	5.9	
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U	5.9	
79-00-5	1,1,2-Trichloroethane	5.9	U	5.9	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.9	U	5.9	
75-34-3	1,1-Dichloroethane (1,1-DCA)	5.9	U	5.9	
75-35-4	1,1-Dichloroethene (1,1-DCE)	5.9	U	5.9	
87-61-6	1,2,3-Trichlorobenzene	5.9	U	5.9	
120-82-1	1,2,4-Trichlorobenzene	5.9	U	5.9	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	5.9	U	5.9	
106-93-4	1,2-Dibromoethane	5.9	U	5.9	
95-50-1	1,2-Dichlorobenzene	5.9	U	5.9	
107-06-2	1,2-Dichloroethane	5.9	U	5.9	
78-87-5	1,2-Dichloropropane	5.9	U	5.9	
541-73-1	1,3-Dichlorobenzene	5.9	U	5.9	
106-46-7	1,4-Dichlorobenzene	5.9	U	5.9	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	5.9	U	5.9	
591-78-6	2-Hexanone	5.9	U	5.9	
108-10-1	4-Methyl-2-pentanone	5.9	U	5.9	
67-64-1	Acetone	5.9	U	5.9	
71-43-2	Benzene	5.9	U	5.9	
74-97-5	Bromochloromethane	5.9	U	5.9	
75-27-4	Bromodichloromethane	5.9	U	5.9	
75-25-2	Bromoform	5.9	U	5.9	
74-83-9	Bromomethane	5.9	U	5.9	
75-15-0	Carbon Disulfide	5.9	U	5.9	
56-23-5	Carbon Tetrachloride	5.9	U	5.9	
108-90-7	Chlorobenzene	5.9	U	5.9	
75-00-3	Chloroethane	5.9	U	5.9	
67-66-3	Chloroform	5.9	U	5.9	
74-87-3	Chloromethane	5.9	U	5.9	
110-82-7	Cyclohexane	5.9	U	5.9	
124-48-1	Dibromochloromethane	5.9	U	5.9	
75-71-8	Dichlorodifluoromethane (CFC 12)	5.9	U	5.9	
75-09-2	Dichloromethane	5.9	U	5.9	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14 1035
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/18/14 12:56
Sample Name:	SB-12 12-14'	**Units:**	µg/Kg
Lab Code:	R1405442-012	**Basis:**	Dry
		Percent Solids:	85.0

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402250
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071814\K9874.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	5.9	U	5.9	
98-82-8	Isopropylbenzene (Cumene)	5.9	U	5.9	
79-20-9	Methyl Acetate	5.9	U	5.9	
1634-04-4	Methyl tert-Butyl Ether	5.9	U	5.9	
108-87-2	Methylcyclohexane	5.9	U	5.9	
100-42-5	Styrene	5.9	U	5.9	
127-18-4	Tetrachloroethene (PCE)	5.9	U	5.9	
108-88-3	Toluene	5.9	U	5.9	
79-01-6	Trichloroethene (TCE)	5.9	U	5.9	
75-69-4	Trichlorofluoromethane (CFC 11)	5.9	U	5.9	
75-01-4	Vinyl Chloride	5.9	U	5.9	
156-59-2	cis-1,2-Dichloroethene	5.9	U	5.9	
10061-01-5	cis-1,3-Dichloropropene	5.9	U	5.9	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	5.9	U	5.9	
156-60-5	trans-1,2-Dichloroethene	5.9	U	5.9	
10061-02-6	trans-1,3-Dichloropropene	5.9	U	5.9	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	51-136	7/18/14 12:56	
Dibromofluoromethane	97	63-138	7/18/14 12:56	
Toluene-d8	101	66-138	7/18/14 12:56	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14 1035
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Extracted:	7/24/14
		Date Analyzed:	7/25/14 15:28
Sample Name:	SB-12 12-14'	**Units:**	µg/Kg
Lab Code:	R1405442-012	**Basis:**	Dry
		Percent Solids:	85.0

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403784
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072514\BL566.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	7.8	U	7.8	
208-96-8	Acenaphthylene	7.8	U	7.8	
120-12-7	Anthracene	7.8	U	7.8	
56-55-3	Benz(a)anthracene	7.8	U	7.8	
50-32-8	Benzo(a)pyrene	7.8	U	7.8	
205-99-2	Benzo(b)fluoranthene	7.8	U	7.8	
191-24-2	Benzo(g,h,i)perylene	7.8	U	7.8	
207-08-9	Benzo(k)fluoranthene	7.8	U	7.8	
218-01-9	Chrysene	7.8	U	7.8	
53-70-3	Dibenz(a,h)anthracene	7.8	U	7.8	
206-44-0	Fluoranthene	7.8	U	7.8	
86-73-7	Fluorene	7.8	U	7.8	
193-39-5	Indeno(1,2,3-cd)pyrene	7.8	U	7.8	
91-20-3	Naphthalene	7.8	U	7.8	
85-01-8	Phenanthrene	7.8	U	7.8	
129-00-0	Pyrene	7.8	U	7.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	76	17-141	7/25/14 15:28	
Nitrobenzene-d5	71	16-161	7/25/14 15:28	
p-Terphenyl-d14	100	13-167	7/25/14 15:28	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14 1054
Sample Matrix:	Soil	**Date Received:**	7/15/14
Sample Name:	SV-2 4'		
Lab Code:	R1405442-013	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**80.6**		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14 1054
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/18/14 13:34
Sample Name:	SV-2 4'	**Units:**	µg/Kg
Lab Code:	R1405442-013	**Basis:**	Dry
		Percent Solids:	80.6

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402250
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071814\K9875.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.2	U	6.2	
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	6.2	
79-00-5	1,1,2-Trichloroethane	6.2	U	6.2	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	6.2	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.2	U	6.2	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.2	U	6.2	
87-61-6	1,2,3-Trichlorobenzene	6.2	U	6.2	
120-82-1	1,2,4-Trichlorobenzene	6.2	U	6.2	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.2	U	6.2	
106-93-4	1,2-Dibromoethane	6.2	U	6.2	
95-50-1	1,2-Dichlorobenzene	6.2	U	6.2	
107-06-2	1,2-Dichloroethane	6.2	U	6.2	
78-87-5	1,2-Dichloropropane	6.2	U	6.2	
541-73-1	1,3-Dichlorobenzene	6.2	U	6.2	
106-46-7	1,4-Dichlorobenzene	6.2	U	6.2	
123-91-1	1,4-Dioxane	120	U	120	
78-93-3	2-Butanone (MEK)	**6.8**		6.2	
591-78-6	2-Hexanone	6.2	U	6.2	
108-10-1	4-Methyl-2-pentanone	6.2	U	6.2	
67-64-1	Acetone	**20**		6.2	
71-43-2	Benzene	6.2	U	6.2	
74-97-5	Bromochloromethane	6.2	U	6.2	
75-27-4	Bromodichloromethane	6.2	U	6.2	
75-25-2	Bromoform	6.2	U	6.2	
74-83-9	Bromomethane	6.2	U	6.2	
75-15-0	Carbon Disulfide	6.2	U	6.2	
56-23-5	Carbon Tetrachloride	6.2	U	6.2	
108-90-7	Chlorobenzene	6.2	U	6.2	
75-00-3	Chloroethane	6.2	U	6.2	
67-66-3	Chloroform	6.2	U	6.2	
74-87-3	Chloromethane	6.2	U	6.2	
110-82-7	Cyclohexane	6.2	U	6.2	
124-48-1	Dibromochloromethane	6.2	U	6.2	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.2	U	6.2	
75-09-2	Dichloromethane	6.2	U	6.2	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14 1054
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/18/14 13:34
Sample Name:	SV-2 4'	**Units:**	µg/Kg
Lab Code:	R1405442-013	**Basis:**	Dry
		Percent Solids:	80.6

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402250
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071814\K9875.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	6.2	U	6.2	
98-82-8	Isopropylbenzene (Cumene)	6.2	U	6.2	
79-20-9	Methyl Acetate	6.2	U	6.2	
1634-04-4	Methyl tert-Butyl Ether	6.2	U	6.2	
108-87-2	Methylcyclohexane	6.2	U	6.2	
100-42-5	Styrene	6.2	U	6.2	
127-18-4	Tetrachloroethene (PCE)	6.2	U	6.2	
108-88-3	Toluene	6.2	U	6.2	
79-01-6	Trichloroethene (TCE)	6.2	U	6.2	
75-69-4	Trichlorofluoromethane (CFC 11)	6.2	U	6.2	
75-01-4	Vinyl Chloride	6.2	U	6.2	
156-59-2	cis-1,2-Dichloroethene	6.2	U	6.2	
10061-01-5	cis-1,3-Dichloropropene	6.2	U	6.2	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.2	U	6.2	
156-60-5	trans-1,2-Dichloroethene	6.2	U	6.2	
10061-02-6	trans-1,3-Dichloropropene	6.2	U	6.2	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	51-136	7/18/14 13:34	
Dibromofluoromethane	101	63-138	7/18/14 13:34	
Toluene-d8	103	66-138	7/18/14 13:34	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1405442-MB	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	1.0		Percent	1.0	1	NA	7/22/14 08:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1405442-MB	**Basis:**	Dry

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.40	U	mg/Kg	0.40	1	7/23/14	7/23/14 12:55	
Chromium, Hexavalent	7199	0.40	U	mg/Kg	0.40	1	7/23/14	7/23/14 13:03	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: R1405442-MB

Basis: Dry

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	10	U	mg/Kg	10	1	7/23/14	7/24/14 23:57	
Antimony, Total	6010C	6.0	U	mg/Kg	6.0	1	7/23/14	7/24/14 23:57	
Arsenic, Total	6010C	1.0	U	mg/Kg	1.0	1	7/23/14	7/24/14 23:57	
Barium, Total	6010C	2.0	U	mg/Kg	2.0	1	7/23/14	7/24/14 23:57	
Beryllium, Total	6010C	0.30	U	mg/Kg	0.30	1	7/23/14	7/24/14 23:57	
Cadmium, Total	6010C	0.50	U	mg/Kg	0.50	1	7/23/14	7/24/14 23:57	
Calcium, Total	6010C	100	U	mg/Kg	100	1	7/23/14	7/24/14 23:57	
Chromium, Total	6010C	1.0	U	mg/Kg	1.0	1	7/23/14	7/24/14 23:57	
Cobalt, Total	6010C	5.0	U	mg/Kg	5.0	1	7/23/14	7/24/14 23:57	
Copper, Total	6010C	2.0	U	mg/Kg	2.0	1	7/23/14	7/24/14 23:57	
Iron, Total	6010C	10	U	mg/Kg	10	1	7/23/14	7/25/14 02:02	
Lead, Total	6010C	5.0	U	mg/Kg	5.0	1	7/23/14	7/24/14 23:57	
Magnesium, Total	6010C	100	U	mg/Kg	100	1	7/23/14	7/24/14 23:57	
Manganese, Total	6010C	1.0	U	mg/Kg	1.0	1	7/23/14	7/24/14 23:57	
Mercury, Total	7471B	0.033	U	mg/Kg	0.033	1	7/25/14	7/25/14 16:43	
Nickel, Total	6010C	4.0	U	mg/Kg	4.0	1	7/23/14	7/24/14 23:57	
Potassium, Total	6010C	200	U	mg/Kg	200	1	7/23/14	7/24/14 23:57	
Selenium, Total	6010C	1.0	U	mg/Kg	1.0	1	7/23/14	7/24/14 23:57	
Silver, Total	6010C	1.0	U	mg/Kg	1.0	1	7/23/14	7/24/14 23:57	
Sodium, Total	6010C	100	U	mg/Kg	100	1	7/23/14	7/24/14 23:57	
Thallium, Total	6010C	1.0	U	mg/Kg	1.0	1	7/23/14	7/24/14 23:57	
Vanadium, Total	6010C	5.0	U	mg/Kg	5.0	1	7/23/14	7/24/14 23:57	
Zinc, Total	6010C	2.0	U	mg/Kg	2.0	1	7/23/14	7/24/14 23:57	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	7/17/14 11:59
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1408324-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9850.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	5.0	U	5.0	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	
87-61-6	1,2,3-Trichlorobenzene	5.0	U	5.0	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	
106-93-4	1,2-Dibromoethane	5.0	U	5.0	
95-50-1	1,2-Dichlorobenzene	5.0	U	5.0	
107-06-2	1,2-Dichloroethane	5.0	U	5.0	
78-87-5	1,2-Dichloropropane	5.0	U	5.0	
541-73-1	1,3-Dichlorobenzene	5.0	U	5.0	
106-46-7	1,4-Dichlorobenzene	5.0	U	5.0	
123-91-1	1,4-Dioxane	100	U	100	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	5.0	U	5.0	
74-97-5	Bromochloromethane	5.0	U	5.0	
75-27-4	Bromodichloromethane	5.0	U	5.0	
75-25-2	Bromoform	5.0	U	5.0	
74-83-9	Bromomethane	5.0	U	5.0	
75-15-0	Carbon Disulfide	5.0	U	5.0	
56-23-5	Carbon Tetrachloride	5.0	U	5.0	
108-90-7	Chlorobenzene	5.0	U	5.0	
75-00-3	Chloroethane	5.0	U	5.0	
67-66-3	Chloroform	5.0	U	5.0	
74-87-3	Chloromethane	5.0	U	5.0	
110-82-7	Cyclohexane	5.0	U	5.0	
124-48-1	Dibromochloromethane	5.0	U	5.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	
75-09-2	Dichloromethane	5.0	U	5.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	7/17/14 11:59
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1408324-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402249
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071714\K9850.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	5.0	U	5.0	
98-82-8	Isopropylbenzene (Cumene)	5.0	U	5.0	
79-20-9	Methyl Acetate	5.0	U	5.0	
1634-04-4	Methyl tert-Butyl Ether	5.0	U	5.0	
108-87-2	Methylcyclohexane	5.0	U	5.0	
100-42-5	Styrene	5.0	U	5.0	
127-18-4	Tetrachloroethene (PCE)	5.0	U	5.0	
108-88-3	Toluene	5.0	U	5.0	
79-01-6	Trichloroethene (TCE)	5.0	U	5.0	
75-69-4	Trichlorofluoromethane (CFC 11)	5.0	U	5.0	
75-01-4	Vinyl Chloride	5.0	U	5.0	
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	
179601-23-1	m,p-Xylenes	10	U	10	
95-47-6	o-Xylene	5.0	U	5.0	
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	51-136	7/17/14 11:59	
Dibromofluoromethane	99	63-138	7/17/14 11:59	
Toluene-d8	100	66-138	7/17/14 11:59	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	7/18/14 11:39
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1408387-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402250
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071814\K9872.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	5.0	U	5.0	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	
87-61-6	1,2,3-Trichlorobenzene	5.0	U	5.0	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	
106-93-4	1,2-Dibromoethane	5.0	U	5.0	
95-50-1	1,2-Dichlorobenzene	5.0	U	5.0	
107-06-2	1,2-Dichloroethane	5.0	U	5.0	
78-87-5	1,2-Dichloropropane	5.0	U	5.0	
541-73-1	1,3-Dichlorobenzene	5.0	U	5.0	
106-46-7	1,4-Dichlorobenzene	5.0	U	5.0	
123-91-1	1,4-Dioxane	100	U	100	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	5.0	U	5.0	
74-97-5	Bromochloromethane	5.0	U	5.0	
75-27-4	Bromodichloromethane	5.0	U	5.0	
75-25-2	Bromoform	5.0	U	5.0	
74-83-9	Bromomethane	5.0	U	5.0	
75-15-0	Carbon Disulfide	5.0	U	5.0	
56-23-5	Carbon Tetrachloride	5.0	U	5.0	
108-90-7	Chlorobenzene	5.0	U	5.0	
75-00-3	Chloroethane	5.0	U	5.0	
67-66-3	Chloroform	5.0	U	5.0	
74-87-3	Chloromethane	5.0	U	5.0	
110-82-7	Cyclohexane	5.0	U	5.0	
124-48-1	Dibromochloromethane	5.0	U	5.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	
75-09-2	Dichloromethane	5.0	U	5.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	7/18/14 11:39
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1408387-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402250
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\071814\K9872.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	5.0	U	5.0	
98-82-8	Isopropylbenzene (Cumene)	5.0	U	5.0	
79-20-9	Methyl Acetate	5.0	U	5.0	
1634-04-4	Methyl tert-Butyl Ether	5.0	U	5.0	
108-87-2	Methylcyclohexane	5.0	U	5.0	
100-42-5	Styrene	5.0	U	5.0	
127-18-4	Tetrachloroethene (PCE)	5.0	U	5.0	
108-88-3	Toluene	5.0	U	5.0	
79-01-6	Trichloroethene (TCE)	5.0	U	5.0	
75-69-4	Trichlorofluoromethane (CFC 11)	5.0	U	5.0	
75-01-4	Vinyl Chloride	5.0	U	5.0	
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	
179601-23-1	m,p-Xylenes	10	U	10	
95-47-6	o-Xylene	5.0	U	5.0	
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	51-136	7/18/14 11:39	
Dibromofluoromethane	99	63-138	7/18/14 11:39	
Toluene-d8	102	66-138	7/18/14 11:39	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	7/23/14 13:02
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1408578-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402949
Data File Name:	I:\ACQUDATA\msvoa10\data\072314\A0559.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	7/23/14 13:02
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1408578-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	402949
Data File Name:	I:\ACQUDATA\msvoa10\data\072314\A0559.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85-122	7/23/14 13:02	
Dibromofluoromethane	100	89-119	7/23/14 13:02	
Toluene-d8	103	87-121	7/23/14 13:02	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	7/24/14
		Date Analyzed:	7/25/14 10:31
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1408550-01	**Basis:**	Dry

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	403784
Prep Method:	EPA 3541	**Extraction Lot:**	213655
Data File Name:	I:\ACQUDATA\5973C\DATA\072514\BL552.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	6.6	U	6.6	
208-96-8	Acenaphthylene	6.6	U	6.6	
120-12-7	Anthracene	6.6	U	6.6	
56-55-3	Benz(a)anthracene	6.6	U	6.6	
50-32-8	Benzo(a)pyrene	6.6	U	6.6	
205-99-2	Benzo(b)fluoranthene	6.6	U	6.6	
191-24-2	Benzo(g,h,i)perylene	6.6	U	6.6	
207-08-9	Benzo(k)fluoranthene	6.6	U	6.6	
218-01-9	Chrysene	6.6	U	6.6	
53-70-3	Dibenz(a,h)anthracene	6.6	U	6.6	
206-44-0	Fluoranthene	6.6	U	6.6	
86-73-7	Fluorene	6.6	U	6.6	
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	U	6.6	
91-20-3	Naphthalene	6.6	U	6.6	
85-01-8	Phenanthrene	6.6	U	6.6	
129-00-0	Pyrene	6.6	U	6.6	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	92	17-141	7/25/14 10:31	
Nitrobenzene-d5	99	16-161	7/25/14 10:31	
p-Terphenyl-d14	105	13-167	7/25/14 10:31	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/15/14
Date Received: 7/15/14
Date Analyzed: 7/23/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name: SB-12 12-14'
Lab Code: R1405442-012

Units: mg/Kg
Basis: Dry

Analyte Name	Method	MRL	Sample Result	SB-12 12-14'DUP Duplicate Sample R1405442-012DUP Result	Average	RPD	RPD Limit
Chromium, Hexavalent	7199	0.46	0.46 U	0.46 U	NC	NC	20
Chromium, Hexavalent	7199	0.46	0.46 U	0.46 U	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/15/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/23/14

Matrix Spike Summary
General Chemistry Parameters

Sample Name:	SB-12 12-14'	**Units:**	mg/Kg
Lab Code:	R1405442-012	**Basis:**	Dry

Analytical Method: 7199
Prep Method: EPA 3060A

SB-12 12-14'MS
Matrix Spike
R1405442-012MS1

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	ND	45.0	46.1	98	75 - 125
Chromium, Hexavalent	ND	45.0	46.1	98	75 - 125

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/15/14
Date Received: 7/15/14
Date Analyzed: 7/23/14

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SB-12 12-14'
Lab Code: R1405442-012

Units: mg/Kg
Basis: Dry

Analytical Method: 7199
Prep Method: EPA 3060A

SB-12 12-14'MS
Matrix Spike
R1405442-012MS2

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	ND	711	800	89	75 - 125
Chromium, Hexavalent	ND	712	800	89	75 - 125

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/15/14
Date Received: 7/15/14
Date Analyzed: 7/18/14

Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: SV-2 4'
Lab Code: R1405442-013

Units: µg/Kg
Basis: Dry

Analytical Method: 8260C

Analyte Name	Sample Result	SV-2 4'MS Matrix Spike RQ1408387-05 Result	Spike Amount	% Rec	SV-2 4'DMS Duplicate Matrix Spike RQ1408387-06 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane (TCA)	ND	66.4	62.0	107	62.1	62.0	100	37 - 142	7	30
1,1,2,2-Tetrachloroethane	ND	62.2	62.0	100	61.9	62.0	100	16 - 168	<1	30
1,1,2-Trichloroethane	ND	61.1	62.0	99	58.1	62.0	94	35 - 144	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	72.8	62.0	117	67.9	62.0	109	31 - 139	7	30
1,1-Dichloroethane (1,1-DCA)	ND	62.6	62.0	101	60.9	62.0	98	43 - 144	3	30
1,1-Dichloroethene (1,1-DCE)	ND	78.3	62.0	126	73.2	62.0	118	47 - 155	7	30
1,2,3-Trichlorobenzene	ND	51.5	62.0	83	37.2	62.0	60	10 - 164	32 *	30
1,2,4-Trichlorobenzene	ND	56.3	62.0	91	43.0	62.0	69	10 - 164	28	30
1,2-Dibromo-3-chloropropane (DBC	ND	61.1	62.0	99	57.4	62.0	93	25 - 140	6	30
1,2-Dibromoethane	ND	63.1	62.0	102	58.4	62.0	94	25 - 142	8	30
1,2-Dichlorobenzene	ND	61.4	62.0	99	54.8	62.0	88	10 - 151	12	30
1,2-Dichloroethane	ND	58.6	62.0	94	55.6	62.0	90	37 - 142	4	30
1,2-Dichloropropane	ND	66.9	62.0	108	62.0	62.0	100	40 - 142	8	30
1,3-Dichlorobenzene	ND	63.4	62.0	102	57.2	62.0	92	10 - 157	10	30
1,4-Dichlorobenzene	ND	64.1	62.0	103	58.6	62.0	95	10 - 159	8	30
1,4-Dioxane	ND	1220	1240	98	1160	1240	93	39 - 165	5	30
2-Butanone (MEK)	6.8	73.4	62.0	107	63.3	62.0	91	29 - 166	16	30
2-Hexanone	ND	70.9	62.0	114	62.8	62.0	101	14 - 156	12	30
4-Methyl-2-pentanone	ND	69.8	62.0	112	64.3	62.0	104	33 - 144	7	30
Acetone	20	80.0	62.0	97	93.4	62.0	119	21 - 197	20	30
Benzene	ND	67.1	62.0	108	62.9	62.0	101	33 - 144	7	30
Bromochloromethane	ND	61.3	62.0	99	57.4	62.0	93	26 - 160	6	30
Bromodichloromethane	ND	63.2	62.0	102	58.1	62.0	94	35 - 144	8	30
Bromoform	ND	61.2	62.0	99	54.3	62.0	87	16 - 157	13	30
Bromomethane	ND	55.9	62.0	90	55.7	62.0	90	10 - 166	<1	30
Carbon Disulfide	ND	67.7	62.0	109	62.5	62.0	101	10 - 173	8	30
Carbon Tetrachloride	ND	69.1	62.0	111	63.1	62.0	102	27 - 154	8	30
Chlorobenzene	ND	65.2	62.0	105	60.3	62.0	97	17 - 151	8	30

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Collected: 7/15/14
Date Received: 7/15/14
Date Analyzed: 7/18/14

Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: SV-2 4'
Lab Code: R1405442-013

Units: µg/Kg
Basis: Dry

Analytical Method: 8260C

Analyte Name	Sample Result	SV-2 4'MS Matrix Spike RQ1408387-05 Result	Spike Amount	% Rec	SV-2 4'DMS Duplicate Matrix Spike RQ1408387-06 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Chloroethane	ND	63.1	62.0	102	61.0	62.0	98	10 - 166	4	30
Chloroform	ND	61.4	62.0	99	58.7	62.0	95	43 - 145	4	30
Chloromethane	ND	63.5	62.0	102	59.0	62.0	95	11 - 162	7	30
Cyclohexane	ND	67.3	62.0	109	62.6	62.0	101	18 - 156	8	30
Dibromochloromethane	ND	60.6	62.0	98	58.3	62.0	94	23 - 154	4	30
Dichlorodifluoromethane (CFC 12)	ND	56.5	62.0	91	53.3	62.0	86	10 - 153	6	30
Dichloromethane	ND	65.6	62.0	106	62.2	62.0	100	42 - 135	6	30
Ethylbenzene	ND	63.1	62.0	102	58.1	62.0	94	13 - 159	8	30
Isopropylbenzene (Cumene)	ND	68.8	62.0	111	61.9	62.0	100	13 - 177	10	30
Methyl Acetate	ND	73.7	62.0	119	90.0	62.0	145	18 - 175	20	30
Methyl tert-Butyl Ether	ND	61.8	62.0	100	58.4	62.0	94	48 - 131	6	30
Methylcyclohexane	ND	66.2	62.0	107	57.4	62.0	93	10 - 163	14	30
Styrene	ND	64.5	62.0	104	57.4	62.0	93	10 - 154	11	30
Tetrachloroethene (PCE)	ND	72.0	62.0	116	66.0	62.0	106	19 - 159	9	30
Toluene	ND	68.3	62.0	110	63.4	62.0	102	22 - 148	8	30
Trichloroethene (TCE)	ND	67.4	62.0	109	63.2	62.0	102	11 - 167	7	30
Trichlorofluoromethane (CFC 11)	ND	61.8	62.0	100	58.2	62.0	94	30 - 156	6	30
Vinyl Chloride	ND	61.8	62.0	100	58.2	62.0	94	17 - 170	6	30
cis-1,2-Dichloroethene	ND	62.9	62.0	101	60.9	62.0	98	33 - 152	3	30
cis-1,3-Dichloropropene	ND	63.3	62.0	102	59.1	62.0	95	19 - 138	7	30
m,p-Xylenes	ND	136	124	109	123	124	99	10 - 160	10	30
o-Xylene	ND	64.9	62.0	105	59.3	62.0	96	10 - 160	9	30
trans-1,2-Dichloroethene	ND	67.0	62.0	108	64.0	62.0	103	27 - 145	5	30
trans-1,3-Dichloropropene	ND	63.7	62.0	103	59.0	62.0	95	10 - 141	8	30

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1405442
Project:	350 Niagara Street	**Date Collected:**	7/14/14
Sample Matrix:	Soil	**Date Received:**	7/15/14
		Date Analyzed:	7/25/14

Matrix Spike Summary
Low Level Semivolatile Organic Compounds by GC/MS

Sample Name:	SB-1 6-7'	**Units:**	µg/Kg
Lab Code:	R1405442-001	**Basis:**	Dry

Analytical Method: 8270D
Prep Method: EPA 3541

		SB-1 6-7'MS Matrix Spike RQ1408550-04			SB-1 6-7'DMS Duplicate Matrix Spike RQ1408550-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Acenaphthene	ND	108	156	69	77.0	156	49	10 - 167	33 *	30
Acenaphthylene	ND	111	156	71	76.2	156	49	12 - 140	37 *	30
Anthracene	ND	174	156	112	89.1	156	57	10 - 182	65 *	30
Benz(a)anthracene	ND	180	156	115	133	156	85	10 - 165	30	30
Benzo(a)pyrene	ND	171	156	110	139	156	89	10 - 166	21	30
Benzo(b)fluoranthene	ND	182	156	116	147	156	94	10 - 174	21	30
Benzo(g,h,i)perylene	ND	160	156	102	136	156	87	10 - 126	16	30
Benzo(k)fluoranthene	ND	149	156	96	119	156	76	10 - 148	23	30
Chrysene	ND	179	156	114	134	156	86	10 - 208	28	30
Dibenz(a,h)anthracene	ND	166	156	106	142	156	91	10 - 168	16	30
Fluoranthene	17	258	156	154	139	156	78	10 - 228	60 *	30
Fluorene	ND	117	156	75	82.5	156	53	21 - 152	35 *	30
Indeno(1,2,3-cd)pyrene	ND	160	156	102	137	156	88	10 - 124	16	30
Naphthalene	ND	108	156	69	71.1	156	46	10 - 139	41 *	30
Phenanthrene	ND	165	156	106	96.1	156	62	14 - 166	53 *	30
Pyrene	16	223	156	133	145	156	83	13 - 151	42 *	30

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Analyzed: 7/23/14

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/Kg
Basis: Dry

		Lab Control Sample R1405442-LCS			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Chromium, Hexavalent	7199	666	669	100	80 - 120
Chromium, Hexavalent	7199	664	669	99	80 - 120

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Analyzed: 7/25/14

Lab Control Sample Summary
Inorganic Parameters

Units: mg/Kg
Basis: Dry

Analyte Name	Method	Lab Control Sample R1405442-LCS Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total	6010C	170	200	85	80 - 120
Antimony, Total	6010C	44.1	50.0	88	80 - 120
Arsenic, Total	6010C	3.51	4.0	88	80 - 120
Barium, Total	6010C	196	200	98	80 - 120
Beryllium, Total	6010C	4.61	5.00	92	80 - 120
Cadmium, Total	6010C	4.68	5.00	94	80 - 120
Calcium, Total	6010C	187	200	94	80 - 120
Chromium, Total	6010C	20.1	20.0	101	80 - 120
Cobalt, Total	6010C	47.3	50.0	95	80 - 120
Copper, Total	6010C	24.6	25.0	98	80 - 120
Iron, Total	6010C	103	100	103	80 - 120
Lead, Total	6010C	47.0	50.0	94	80 - 120
Magnesium, Total	6010C	188	200	94	80 - 120
Manganese, Total	6010C	48.2	50.0	96	80 - 120
Mercury, Total	7471B	0.186	0.167	112	80 - 120
Nickel, Total	6010C	49.0	50.0	98	80 - 120
Potassium, Total	6010C	1760	2000	88	80 - 120
Selenium, Total	6010C	85.1	101	84	80 - 120
Silver, Total	6010C	4.23	5.0	85	80 - 120
Sodium, Total	6010C	1830	2000	92	80 - 120
Thallium, Total	6010C	177	200	88	80 - 120
Vanadium, Total	6010C	47.9	50.0	96	80 - 120
Zinc, Total	6010C	49.0	50.0	98	80 - 120

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Analyzed: 7/17/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 402249

Analyte Name	Lab Control Sample RQ1408324-03 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	17.3	20.0	86	64 - 127
1,1,2,2-Tetrachloroethane	18.7	20.0	93	73 - 121
1,1,2-Trichloroethane	19.0	20.0	95	76 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	19.0	20.0	95	59 - 146
1,1-Dichloroethane (1,1-DCA)	18.1	20.0	91	74 - 125
1,1-Dichloroethene (1,1-DCE)	21.6	20.0	108	75 - 151
1,2,3-Trichlorobenzene	19.5	20.0	98	74 - 129
1,2,4-Trichlorobenzene	19.8	20.0	99	74 - 129
1,2-Dibromo-3-chloropropane (DBCP)	17.5	20.0	87	76 - 130
1,2-Dibromoethane	19.7	20.0	98	79 - 124
1,2-Dichlorobenzene	18.9	20.0	94	77 - 125
1,2-Dichloroethane	18.7	20.0	93	66 - 123
1,2-Dichloropropane	20.0	20.0	100	79 - 124
1,3-Dichlorobenzene	18.8	20.0	94	77 - 121
1,4-Dichlorobenzene	18.8	20.0	94	76 - 122
1,4-Dioxane	395	400	99	49 - 177
2-Butanone (MEK)	19.0	20.0	95	62 - 128
2-Hexanone	20.0	20.0	100	62 - 120
4-Methyl-2-pentanone	21.1	20.0	105	65 - 138
Acetone	20.1	20.0	100	53 - 143
Benzene	19.4	20.0	97	74 - 123
Bromochloromethane	19.4	20.0	97	80 - 132
Bromodichloromethane	19.0	20.0	95	77 - 127
Bromoform	19.3	20.0	97	65 - 133
Bromomethane	18.3	20.0	92	55 - 139
Carbon Disulfide	20.1	20.0	101	64 - 143
Carbon Tetrachloride	17.1	20.0	85	59 - 137
Chlorobenzene	19.0	20.0	95	77 - 124
Chloroethane	18.5	20.0	92	69 - 127
Chloroform	18.4	20.0	92	73 - 125
Chloromethane	19.6	20.0	98	56 - 154
Cyclohexane	21.0	20.0	105	60 - 130
Dibromochloromethane	19.4	20.0	97	77 - 124

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Analyzed: 7/17/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 402249

Lab Control Sample
RQ1408324-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	19.8	20.0	99	49 - 154
Dichloromethane	21.4	20.0	107	77 - 126
Ethylbenzene	17.3	20.0	86	73 - 123
Isopropylbenzene (Cumene)	18.6	20.0	93	72 - 125
Methyl Acetate	21.0	20.0	105	41 - 161
Methyl tert-Butyl Ether	19.4	20.0	97	72 - 131
Methylcyclohexane	21.7	20.0	108	60 - 127
Styrene	18.6	20.0	93	71 - 127
Tetrachloroethene (PCE)	18.8	20.0	94	65 - 133
Toluene	18.7	20.0	94	72 - 127
Trichloroethene (TCE)	18.8	20.0	94	72 - 129
Trichlorofluoromethane (CFC 11)	16.5	20.0	83	63 - 133
Vinyl Chloride	17.8	20.0	89	67 - 139
cis-1,2-Dichloroethene	18.7	20.0	93	75 - 128
cis-1,3-Dichloropropene	19.5	20.0	98	75 - 120
m,p-Xylenes	37.3	40.0	93	77 - 125
o-Xylene	18.5	20.0	93	75 - 124
trans-1,2-Dichloroethene	18.7	20.0	93	72 - 129
trans-1,3-Dichloropropene	19.7	20.0	98	66 - 126

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Analyzed: 7/18/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 402250

Analyte Name	Lab Control Sample RQ1408387-03 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	19.1	20.0	96	64 - 127
1,1,2,2-Tetrachloroethane	19.9	20.0	100	73 - 121
1,1,2-Trichloroethane	20.4	20.0	102	76 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	21.5	20.0	107	59 - 146
1,1-Dichloroethane (1,1-DCA)	19.3	20.0	97	74 - 125
1,1-Dichloroethene (1,1-DCE)	23.3	20.0	116	75 - 151
1,2,3-Trichlorobenzene	20.6	20.0	103	74 - 129
1,2,4-Trichlorobenzene	20.9	20.0	105	74 - 129
1,2-Dibromo-3-chloropropane (DBCP)	20.6	20.0	103	76 - 130
1,2-Dibromoethane	20.2	20.0	101	79 - 124
1,2-Dichlorobenzene	20.1	20.0	100	77 - 125
1,2-Dichloroethane	18.5	20.0	93	66 - 123
1,2-Dichloropropane	21.3	20.0	106	79 - 124
1,3-Dichlorobenzene	20.0	20.0	100	77 - 121
1,4-Dichlorobenzene	20.1	20.0	100	76 - 122
1,4-Dioxane	387	400	97	49 - 177
2-Butanone (MEK)	19.4	20.0	97	62 - 128
2-Hexanone	21.3	20.0	107	62 - 120
4-Methyl-2-pentanone	21.4	20.0	107	65 - 138
Acetone	20.2	20.0	101	53 - 143
Benzene	20.6	20.0	103	74 - 123
Bromochloromethane	19.4	20.0	97	80 - 132
Bromodichloromethane	19.6	20.0	98	77 - 127
Bromoform	20.2	20.0	101	65 - 133
Bromomethane	19.5	20.0	98	55 - 139
Carbon Disulfide	18.2	20.0	91	64 - 143
Carbon Tetrachloride	19.3	20.0	97	59 - 137
Chlorobenzene	20.6	20.0	103	77 - 124
Chloroethane	19.2	20.0	96	69 - 127
Chloroform	19.2	20.0	96	73 - 125
Chloromethane	20.8	20.0	104	56 - 154
Cyclohexane	21.0	20.0	105	60 - 130
Dibromochloromethane	20.1	20.0	101	77 - 124

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Analyzed: 7/18/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 402250

Lab Control Sample
RQ1408387-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	21.1	20.0	105	49 - 154
Dichloromethane	20.5	20.0	102	77 - 126
Ethylbenzene	19.3	20.0	96	73 - 123
Isopropylbenzene (Cumene)	20.5	20.0	102	72 - 125
Methyl Acetate	21.2	20.0	106	41 - 161
Methyl tert-Butyl Ether	19.9	20.0	100	72 - 131
Methylcyclohexane	20.9	20.0	105	60 - 127
Styrene	20.5	20.0	102	71 - 127
Tetrachloroethene (PCE)	21.0	20.0	105	65 - 133
Toluene	20.4	20.0	102	72 - 127
Trichloroethene (TCE)	20.8	20.0	104	72 - 129
Trichlorofluoromethane (CFC 11)	18.8	20.0	94	63 - 133
Vinyl Chloride	19.5	20.0	98	67 - 139
cis-1,2-Dichloroethene	19.7	20.0	98	75 - 128
cis-1,3-Dichloropropene	19.7	20.0	98	75 - 120
m,p-Xylenes	40.8	40.0	102	77 - 125
o-Xylene	19.9	20.0	99	75 - 124
trans-1,2-Dichloroethene	20.4	20.0	102	72 - 129
trans-1,3-Dichloropropene	20.3	20.0	101	66 - 126

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Water

Service Request: R1405442
Date Analyzed: 7/23/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 402949

Analyte Name	Lab Control Sample RQ1408578-02 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	17.9	20.0	89	71 - 123
1,1,2,2-Tetrachloroethane	18.4	20.0	92	74 - 127
1,1,2-Trichloroethane	17.6	20.0	88	79 - 117
1,1,2-Trichloro-1,2,2-trifluoroethane	17.3	20.0	87	64 - 136
1,1-Dichloroethane (1,1-DCA)	17.9	20.0	89	76 - 128
1,1-Dichloroethene (1,1-DCE)	18.8	20.0	94	74 - 135
1,2,3-Trichlorobenzene	20.3	20.0	102	60 - 144
1,2,4-Trichlorobenzene	19.5	20.0	97	60 - 141
1,2-Dibromo-3-chloropropane (DBCP)	18.0	20.0	90	69 - 135
1,2-Dibromoethane	17.8	20.0	89	81 - 123
1,2-Dichlorobenzene	18.1	20.0	90	80 - 119
1,2-Dichloroethane	18.8	20.0	94	72 - 130
1,2-Dichloropropane	19.1	20.0	95	80 - 119
1,3-Dichlorobenzene	18.4	20.0	92	79 - 121
1,4-Dichlorobenzene	18.5	20.0	93	79 - 119
1,4-Dioxane	397	400	99	51 - 157
2-Butanone (MEK)	20.3	20.0	101	66 - 129
2-Hexanone	17.7	20.0	89	61 - 131
4-Methyl-2-pentanone	18.1	20.0	90	68 - 129
Acetone	23.2	20.0	116	51 - 146
Benzene	18.2	20.0	91	76 - 118
Bromochloromethane	17.3	20.0	87	81 - 126
Bromodichloromethane	18.5	20.0	92	79 - 122
Bromoform	17.0	20.0	85	65 - 138
Bromomethane	19.4	20.0	97	41 - 159
Carbon Disulfide	16.5	20.0	83	63 - 141
Carbon Tetrachloride	15.9	20.0	80	66 - 128
Chlorobenzene	18.3	20.0	92	80 - 121
Chloroethane	17.9	20.0	90	71 - 128
Chloroform	17.8	20.0	89	76 - 120
Chloromethane	18.6	20.0	93	64 - 140
Cyclohexane	20.7	20.0	104	55 - 128
Dibromochloromethane	18.1	20.0	90	79 - 125

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Water

Service Request: R1405442
Date Analyzed: 7/23/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 402949

Analyte Name	Lab Control Sample RQ1408578-02 Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	18.5	20.0	93	60 - 150
Dichloromethane	18.2	20.0	91	73 - 122
Ethylbenzene	17.0	20.0	85	76 - 120
Isopropylbenzene (Cumene)	19.3	20.0	97	76 - 126
Methyl Acetate	19.0	20.0	95	66 - 121
Methyl tert-Butyl Ether	18.2	20.0	91	73 - 131
Methylcyclohexane	20.7	20.0	103	51 - 129
Styrene	19.5	20.0	98	81 - 122
Tetrachloroethene (PCE)	17.7	20.0	89	69 - 124
Toluene	18.1	20.0	91	77 - 120
Trichloroethene (TCE)	18.1	20.0	90	76 - 123
Trichlorofluoromethane (CFC 11)	17.4	20.0	87	69 - 130
Vinyl Chloride	16.9	20.0	84	69 - 136
cis-1,2-Dichloroethene	18.0	20.0	90	80 - 121
cis-1,3-Dichloropropene	18.7	20.0	93	77 - 125
m,p-Xylenes	37.6	40.0	94	78 - 123
o-Xylene	19.0	20.0	95	77 - 131
trans-1,2-Dichloroethene	17.4	20.0	87	78 - 124
trans-1,3-Dichloropropene	18.8	20.0	94	72 - 123

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ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street
Sample Matrix: Soil

Service Request: R1405442
Date Analyzed: 7/25/14

Lab Control Sample Summary
Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 213655

Analyte Name	Lab Control Sample RQ1408550-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1408550-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Acenaphthene	105	133	79	103	133	77	33 - 150	3	30
Acenaphthylene	109	133	82	106	133	80	32 - 146	2	30
Anthracene	117	133	88	113	133	85	39 - 134	3	30
Benz(a)anthracene	140	133	105	139	133	104	39 - 140	<1	30
Benzo(a)pyrene	147	133	110	140	133	105	26 - 141	5	30
Benzo(b)fluoranthene	137	133	103	140	133	105	37 - 147	3	30
Benzo(g,h,i)perylene	158	133	118	154	133	116	35 - 137	2	30
Benzo(k)fluoranthene	137	133	103	126	133	94	30 - 137	9	30
Chrysene	143	133	107	143	133	107	43 - 134	<1	30
Dibenz(a,h)anthracene	162	133	122	154	133	116	33 - 147	5	30
Fluoranthene	128	133	96	125	133	94	37 - 148	2	30
Fluorene	113	133	85	104	133	78	33 - 151	9	30
Indeno(1,2,3-cd)pyrene	151	133	113	149	133	112	33 - 140	2	30
Naphthalene	105	133	79	95.7	133	72	24 - 139	9	30
Phenanthrene	124	133	93	118	133	89	38 - 157	4	30
Pyrene	151	133	113	152	133	114	38 - 137	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

16896

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name: 350 NIAGARA RITE AID	Project Number:
Project Manager: Pete von Schondorf	Report CC:
Company/Address: LEADER PROF. SVCS 271 MARSH RD. PITTSFORD NY 14534	
Phone #: 585-248-2413	Email: pvonschondorf@leader
Sampler's Signature: Pete von Schondorf	Sampler's Printed Name: Pete von Schondorf

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs 8260 8021 CLP	GC/MS SVOAs 8270 8310 PAH	GC VOAs 8021 8011/8021	PESTICIDES 8081 608	PCBs 8082 608	METALS, TOTAL (List in comments below) TAL	METALS, DISSOLVED (List in comments below) Cr +6										REMARKS/ ALTERNATE DESCRIPTION
SB-1 6-7'	-001	7-14-14		S		X	X				X		X									
SB-2 5-6'	-002	"		S		X	X															
SB-2 9'	-003	"		S							X		X									
SB-3 4-5'	-004	"		S		X	X				X		X									
SB-4 8-9'	-005	"		S		X	X				X		X									
SB-5 6-7	-006	"		S		X	X				X		X									
SB-6 8-9	-007	"		S		X	X				X		X									
SB-7 3½-4'	-008	"		S		X	X				X		X									
TRIP BLANK	-009	"		W		X																
SB-8 15-16'	-010	7-15-14		S		X																
SB-9 9-10'	-011	7-15-14		S		X	X				X		X									

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ____

SPECIAL INSTRUCTIONS/COMMENTS
Metals TAL + Hg + Cr^{+6}.

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
REQUESTED REPORT DATE: 2 WKS

REPORT REQUIREMENTS
____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
Edata X Yes ____ No

INVOICE INFORMATION
PO: LEADER
Bill To: 271 MARSH RD
Pittsford

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Pete von Schondorf	Signature: Pete von Schondorf	Signature	Signature: Daniel Hill	Signature	
Printed Name: Pete von Schondorf	Printed Name	Printed Name	Printed Name: ALS	Printed Name	
Firm: LEADER	Firm	Firm	Firm: 7/15/14/1631	Firm	
Date/Time: 7/15/14	Date/Time	Date/Time	Date/Time	Date/Time	

R1405442 5
Leader Professional Services, Inc.
350 Niagara Street

Distribution: White - Lab Copy; Yellow - Return to Originator

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

16800

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 2 OF 2

Project Name: Rite Aid Niagara St.	Project Number:
Project Manager: Pete von Schondorf	Report CC:
Company/Address: LEADER PROF. SVCS. 271 MARSH RD, SUITE 2 Pittsford, NY 14534	
Phone #: 585-248-2413	Email: pvonschondorf@leaderps.com
Sampler's Signature: Pete von Schondorf	Sampler's Printed Name: Pete von Schondorf

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	SCMS TCLP 8260 ○ 624 ○ CLP	SCMS SVOA 8270 ○ 625	OC VOA ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCB'S ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)										
SB-12-14'	-012	7-15-14	10:35	S	16	✓	✓				✓		✓									
SV-2 4'	-013	7-15-14	10:54	S		✓																
AMB-1		7-15-14		A										✓								
SV-1		"		A										✓								
SV-2		"		A										✓								
SV-3		"		A										✓								
SV-4		"		A										✓								
SV-5		"		A										✓								
SV-6		"		A										✓								
S-																						

Preservative Key
0. NONE
1. HCl
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

Hg Cr Ni

Hg Cr Ni

TO-15

SEE RUSH SHEET

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See OAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
REQUESTED REPORT DATE
2 WKS

REPORT REQUIREMENTS
_____ I. Results Only
☆ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
Edata ☆ Yes _____ No

INVOICE INFORMATION
PO #
BILL TO: LEADER
271 MARSH RD
SUITE 2
Pittsford

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Pete von Schondorf	Signature: Pete von Schondorf	Signature	Signature: Daniel Mark	Signature	Signature: R1405442
Printed Name: PETE VONSCHONDORF	Printed Name	Printed Name	Printed Name: DLS	Printed Name	Printed Name
Firm: LEADER	Firm	Firm	Firm: 7/15/14 1651	Firm	Firm
Date/Time: 7/15/14	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

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Cooler Receipt and Preservation Check Form

Project/Client Leader Folder Number R1405442

Cooler received on 7/15/14 by: olh

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y (NR)	5a	Perchlorate samples have required headspace?	Y N (NA)
2	Custody papers properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* bubbles?	Y (N) NA
3	Did all bottles arrive in good condition (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: ~~Wet Ice~~ Dry Ice Gel packs present?	(Y) N	7	Soil VOA received as:	Bulk Encore 5035set (NA)

8. Temperature Readings Date: 7/15/14 Time: 1635 ID: IR#3 IR#4 From: Temp Blank Sample Bottle

Observed Temp (°C)	Air Samples	6.2°					
Correction Factor (°C)		+0.0					
Corrected Temp (°C)	↓	6.2°					
Within 0-6°C?	Y N	Y (N)	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: Confirm

All samples held in storage location: R-002 by olh on 7/15/14 at 1635

5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: [illegible]

Cooler Breakdown: Date: 7/16/14 Time: 1345 by: JRS

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? YES (NO)
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact ~~Canisters Pressurized~~ Tedlar® Bags Inflated N/A

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**	4112120	6/15				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 052114 - IBNS , 4-086-023

Other Comments:

* Bottles for location SB-12 12'-14' are labeled SB-10 by client.

PC Secondary Review: KB 7/30/14

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Groundwater Results

October 02, 2014

Service Request No: R1407289

Mr. Peter von Schondorf
Leader Professional Services, Inc.
271 Marsh Road
Suite 2
Pittsford, NY 14534

Laboratory Results for: 350 Niagara Street/855.001

Dear Mr. von Schondorf:

Enclosed are the results of the sample(s) submitted to our laboratory on September 17, 2014. For your reference, these analyses have been assigned our service request number **R1407289.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Janice Jaeger
Client Services Manager

ADDRESS 1565 Jefferson Rd, Building 300, Suite 360, Rochester, NY 14623 PHONE 585-288-5380 | FAX 585-288-8475
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CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1407289

Lab ID	Client ID
R1407289-001	MW1
R1407289-002	MW2
R1407289-003	MW4
R1407289-004	MW5
R1407289-005	MW3
R1407289-006	TRIP BLANK 1
R1407289-007	TRIP BLANK 2
R1407289-008	FB
R1407289-009	DUP

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by ALS personnel have been in accordance with "ALS Field Procedures and Measurements Manual" or by client specifications.

ALS Environmental

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% (25% for CLP) difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

ACCREDITED IN ACCORDANCE WITH nelac

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	3010A
200.8	ILM05.3
6010C	3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3010A
6010 SPLP (1312) extract	3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW1		
Lab Code:	R1407289-001	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 11:28	
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 11:36	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW1		
Lab Code:	R1407289-001	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**790**		µg/L	100	1	9/18/14	9/30/14 17:05	
Antimony, Total	6010C	60	U	µg/L	60	1	9/18/14	9/30/14 17:05	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:05	
Barium, Total	6010C	**90**		µg/L	20	1	9/18/14	9/30/14 17:05	
Beryllium, Total	6010C	3.0	U	µg/L	3.0	1	9/18/14	9/30/14 17:05	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/18/14	9/30/14 17:05	
Calcium, Total	6010C	**163000**		µg/L	5000	5	9/18/14	9/30/14 19:46	
Chromium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:05	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:05	
Copper, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:05	
Iron, Total	6010C	**790**		µg/L	100	1	9/18/14	9/30/14 17:05	
Lead, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:05	
Magnesium, Total	6010C	**67500**		µg/L	1000	1	9/18/14	9/30/14 17:05	
Manganese, Total	6010C	**749**		µg/L	10	1	9/18/14	9/30/14 17:05	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/25/14	9/25/14 17:01	
Nickel, Total	6010C	40	U	µg/L	40	1	9/18/14	9/30/14 17:05	
Potassium, Total	6010C	**8000**		µg/L	2000	1	9/18/14	9/30/14 17:05	
Selenium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:05	
Silver, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:05	
Sodium, Total	6010C	**167000**		µg/L	5000	5	9/18/14	9/30/14 19:46	
Thallium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:05	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:05	
Zinc, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 13:50
Sample Name:	MW1	**Units:**	µg/L
Lab Code:	R1407289-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2279.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	**9.5**		1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**11**		5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	**1.3**		1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	**6.3**		1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 13:50
Sample Name:	MW1	**Units:**	µg/L
Lab Code:	R1407289-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2279.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	**1.7**		1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	**3.1**		1.0	
108-87-2	Methylcyclohexane	**11**		1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85-122	9/23/14 13:50	
Dibromofluoromethane	98	89-119	9/23/14 13:50	
Toluene-d8	97	87-121	9/23/14 13:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Extracted:	9/19/14
		Date Analyzed:	9/22/14 12:51
Sample Name:	MW1	**Units:**	µg/L
Lab Code:	R1407289-001	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	412638
Prep Method:	EPA 3510C	**Extraction Lot:**	218460
Data File Name:	I:\ACQUDATA\5973C\DATA\092214\BM254.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	0.20	U	0.20	
208-96-8	Acenaphthylene	0.20	U	0.20	
120-12-7	Anthracene	0.20	U	0.20	
56-55-3	Benz(a)anthracene	0.20	U	0.20	
205-99-2	Benzo(b)fluoranthene	0.20	U	0.20	
207-08-9	Benzo(k)fluoranthene	0.20	U	0.20	
191-24-2	Benzo(g,h,i)perylene	0.20	U	0.20	
50-32-8	Benzo(a)pyrene	0.20	U	0.20	
218-01-9	Chrysene	0.20	U	0.20	
53-70-3	Dibenz(a,h)anthracene	0.20	U	0.20	
206-44-0	Fluoranthene	0.20	U	0.20	
86-73-7	Fluorene	0.20	U	0.20	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.20	
91-20-3	Naphthalene	0.20	U	0.20	
85-01-8	Phenanthrene	**0.24**		0.20	
129-00-0	Pyrene	0.20	U	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	54	27-133	9/22/14 12:51	
Nitrobenzene-d5	66	31-167	9/22/14 12:51	
p-Terphenyl-d14	82	38-166	9/22/14 12:51	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW2		
Lab Code:	R1407289-002	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 11:42	
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 11:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW2		
Lab Code:	R1407289-002	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	100	U	µg/L	100	1	9/18/14	9/30/14 17:11	
Antimony, Total	6010C	60	U	µg/L	60	1	9/18/14	9/30/14 17:11	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:11	
Barium, Total	6010C	**47**		µg/L	20	1	9/18/14	9/30/14 17:11	
Beryllium, Total	6010C	3.0	U	µg/L	3.0	1	9/18/14	9/30/14 17:11	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/18/14	9/30/14 17:11	
Calcium, Total	6010C	**176000**		µg/L	5000	5	9/18/14	9/30/14 19:53	
Chromium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:11	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:11	
Copper, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:11	
Iron, Total	6010C	**160**		µg/L	100	1	9/18/14	9/30/14 17:11	
Lead, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:11	
Magnesium, Total	6010C	**84000**		µg/L	1000	1	9/18/14	9/30/14 17:11	
Manganese, Total	6010C	**666**		µg/L	10	1	9/18/14	9/30/14 17:11	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/25/14	9/25/14 17:06	
Nickel, Total	6010C	40	U	µg/L	40	1	9/18/14	9/30/14 17:11	
Potassium, Total	6010C	**7800**		µg/L	2000	1	9/18/14	9/30/14 17:11	
Selenium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:11	
Silver, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:11	
Sodium, Total	6010C	**173000**		µg/L	5000	5	9/18/14	9/30/14 19:53	
Thallium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:11	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:11	
Zinc, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:11	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 14:20
Sample Name:	MW2	**Units:**	µg/L
Lab Code:	R1407289-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2280.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	**29**		1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**15**		5.0	
71-43-2	Benzene	**8.8**		1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	**1.6**		1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	**14**		1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 14:20
Sample Name:	MW2	**Units:**	µg/L
Lab Code:	R1407289-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2280.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	**9.7**		1.0	
98-82-8	Isopropylbenzene (Cumene)	**1.1**		1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	**14**		1.0	
108-87-2	Methylcyclohexane	**18**		1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	**1.3**		1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	**7.5**		2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85-122	9/23/14 14:20	
Dibromofluoromethane	97	89-119	9/23/14 14:20	
Toluene-d8	98	87-121	9/23/14 14:20	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Extracted:	9/19/14
		Date Analyzed:	9/22/14 13:21
Sample Name:	MW2	**Units:**	µg/L
Lab Code:	R1407289-002	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	412638
Prep Method:	EPA 3510C	**Extraction Lot:**	218460
Data File Name:	I:\ACQUDATA\5973C\DATA\092214\BM255.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	0.20	U	0.20	
208-96-8	Acenaphthylene	0.20	U	0.20	
120-12-7	Anthracene	0.20	U	0.20	
56-55-3	Benz(a)anthracene	0.20	U	0.20	
205-99-2	Benzo(b)fluoranthene	0.20	U	0.20	
207-08-9	Benzo(k)fluoranthene	0.20	U	0.20	
191-24-2	Benzo(g,h,i)perylene	0.20	U	0.20	
50-32-8	Benzo(a)pyrene	0.20	U	0.20	
218-01-9	Chrysene	0.20	U	0.20	
53-70-3	Dibenz(a,h)anthracene	0.20	U	0.20	
206-44-0	Fluoranthene	0.20	U	0.20	
86-73-7	Fluorene	0.20	U	0.20	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.20	
91-20-3	Naphthalene	**0.72**		0.20	
85-01-8	Phenanthrene	0.20	U	0.20	
129-00-0	Pyrene	0.20	U	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	62	27-133	9/22/14 13:21	
Nitrobenzene-d5	80	31-167	9/22/14 13:21	
p-Terphenyl-d14	88	38-166	9/22/14 13:21	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW4		
Lab Code:	R1407289-003	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 11:57	
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 12:05	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW4		
Lab Code:	R1407289-003	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**2300**		µg/L	100	1	9/18/14	9/30/14 17:17	
Antimony, Total	6010C	60	U	µg/L	60	1	9/18/14	9/30/14 17:17	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:17	
Barium, Total	6010C	**54**		µg/L	20	1	9/18/14	9/30/14 17:17	
Beryllium, Total	6010C	3.0	U	µg/L	3.0	1	9/18/14	9/30/14 17:17	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/18/14	9/30/14 17:17	
Calcium, Total	6010C	**228000**		µg/L	5000	5	9/18/14	9/30/14 19:59	
Chromium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:17	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:17	
Copper, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:17	
Iron, Total	6010C	**2230**		µg/L	100	1	9/18/14	9/30/14 17:17	
Lead, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:17	
Magnesium, Total	6010C	**95600**		µg/L	1000	1	9/18/14	9/30/14 17:17	
Manganese, Total	6010C	**640**		µg/L	10	1	9/18/14	9/30/14 17:17	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/25/14	9/25/14 17:10	
Nickel, Total	6010C	40	U	µg/L	40	1	9/18/14	9/30/14 17:17	
Potassium, Total	6010C	**4400**		µg/L	2000	1	9/18/14	9/30/14 17:17	
Selenium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:17	
Silver, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:17	
Sodium, Total	6010C	**46100**		µg/L	1000	1	9/18/14	9/30/14 17:17	
Thallium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:17	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:17	
Zinc, Total	6010C	**23**		µg/L	20	1	9/18/14	9/30/14 17:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 14:50
Sample Name:	MW4	**Units:**	µg/L
Lab Code:	R1407289-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2281.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	6.1		5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	2.0		1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 14:50
Sample Name:	MW4	**Units:**	µg/L
Lab Code:	R1407289-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2281.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	9/23/14 14:50	
Dibromofluoromethane	98	89-119	9/23/14 14:50	
Toluene-d8	97	87-121	9/23/14 14:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Extracted:	9/19/14
		Date Analyzed:	9/22/14 13:51
Sample Name:	MW4	**Units:**	µg/L
Lab Code:	R1407289-003	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	412638
Prep Method:	EPA 3510C	**Extraction Lot:**	218460
Data File Name:	I:\ACQUDATA\5973C\DATA\092214\BM256.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	0.20	U	0.20	
208-96-8	Acenaphthylene	0.20	U	0.20	
120-12-7	Anthracene	0.20	U	0.20	
56-55-3	Benz(a)anthracene	0.20	U	0.20	
205-99-2	Benzo(b)fluoranthene	0.20	U	0.20	
207-08-9	Benzo(k)fluoranthene	0.20	U	0.20	
191-24-2	Benzo(g,h,i)perylene	0.20	U	0.20	
50-32-8	Benzo(a)pyrene	0.20	U	0.20	
218-01-9	Chrysene	0.20	U	0.20	
53-70-3	Dibenz(a,h)anthracene	0.20	U	0.20	
206-44-0	Fluoranthene	0.20	U	0.20	
86-73-7	Fluorene	0.20	U	0.20	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.20	
91-20-3	Naphthalene	0.20	U	0.20	
85-01-8	Phenanthrene	0.43		0.20	
129-00-0	Pyrene	0.20	U	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	55	27-133	9/22/14 13:51	
Nitrobenzene-d5	64	31-167	9/22/14 13:51	
p-Terphenyl-d14	84	38-166	9/22/14 13:51	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW5		
Lab Code:	R1407289-004	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 12:11	
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 12:19	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW5		
Lab Code:	R1407289-004	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	100	U	µg/L	100	1	9/18/14	9/30/14 17:23	
Antimony, Total	6010C	60	U	µg/L	60	1	9/18/14	9/30/14 17:23	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:23	
Barium, Total	6010C	**66**		µg/L	20	1	9/18/14	9/30/14 17:23	
Beryllium, Total	6010C	3.0	U	µg/L	3.0	1	9/18/14	9/30/14 17:23	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/18/14	9/30/14 17:23	
Calcium, Total	6010C	**126000**		µg/L	5000	5	9/18/14	9/30/14 20:05	
Chromium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:23	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:23	
Copper, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:23	
Iron, Total	6010C	100	U	µg/L	100	1	9/18/14	9/30/14 17:23	
Lead, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:23	
Magnesium, Total	6010C	**55100**		µg/L	1000	1	9/18/14	9/30/14 17:23	
Manganese, Total	6010C	**453**		µg/L	10	1	9/18/14	9/30/14 17:23	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/25/14	9/25/14 17:12	
Nickel, Total	6010C	40	U	µg/L	40	1	9/18/14	9/30/14 17:23	
Potassium, Total	6010C	**3300**		µg/L	2000	1	9/18/14	9/30/14 17:23	
Selenium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:23	
Silver, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:23	
Sodium, Total	6010C	**34300**		µg/L	1000	1	9/18/14	9/30/14 17:23	
Thallium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:23	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:23	
Zinc, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:23	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 15:20
Sample Name:	MW5	**Units:**	µg/L
Lab Code:	R1407289-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2282.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	**1.5**		1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**5.3**		5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	**1.2**		1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 15:20
Sample Name:	MW5	**Units:**	µg/L
Lab Code:	R1407289-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2282.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	**100**		1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	**640**	E	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	**5.6**		1.0	
156-59-2	cis-1,2-Dichloroethene	**63**		1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	**8.0**		1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85-122	9/23/14 15:20	
Dibromofluoromethane	98	89-119	9/23/14 15:20	
Toluene-d8	97	87-121	9/23/14 15:20	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 16:21
Sample Name:	MW5	**Units:**	µg/L
Lab Code:	R1407289-004	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2284.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	5

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	5.0	U	5.0	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	
87-61-6	1,2,3-Trichlorobenzene	5.0	U	5.0	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	10	U	10	
106-93-4	1,2-Dibromoethane	5.0	U	5.0	
95-50-1	1,2-Dichlorobenzene	5.0	U	5.0	
107-06-2	1,2-Dichloroethane	5.0	U	5.0	
78-87-5	1,2-Dichloropropane	5.0	U	5.0	
541-73-1	1,3-Dichlorobenzene	5.0	U	5.0	
106-46-7	1,4-Dichlorobenzene	5.0	U	5.0	
123-91-1	1,4-Dioxane	200	U	200	
78-93-3	2-Butanone (MEK)	25	U	25	
591-78-6	2-Hexanone	25	U	25	
108-10-1	4-Methyl-2-pentanone	25	U	25	
67-64-1	Acetone	25	U	25	
71-43-2	Benzene	5.0	U	5.0	
74-97-5	Bromochloromethane	5.0	U	5.0	
75-27-4	Bromodichloromethane	5.0	U	5.0	
75-25-2	Bromoform	5.0	U	5.0	
74-83-9	Bromomethane	5.0	U	5.0	
75-15-0	Carbon Disulfide	5.0	U	5.0	
56-23-5	Carbon Tetrachloride	5.0	U	5.0	
108-90-7	Chlorobenzene	5.0	U	5.0	
75-00-3	Chloroethane	5.0	U	5.0	
67-66-3	Chloroform	5.0	U	5.0	
74-87-3	Chloromethane	5.0	U	5.0	
110-82-7	Cyclohexane	5.0	U	5.0	
124-48-1	Dibromochloromethane	5.0	U	5.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	
75-09-2	Dichloromethane	5.0	U	5.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 16:21
Sample Name:	MW5	**Units:**	µg/L
Lab Code:	R1407289-004	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2284.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	5

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	5.0	U	5.0	
98-82-8	Isopropylbenzene (Cumene)	5.0	U	5.0	
79-20-9	Methyl Acetate	10	U	10	
1634-04-4	Methyl tert-Butyl Ether	5.0	U	5.0	
108-87-2	Methylcyclohexane	5.0	U	5.0	
100-42-5	Styrene	5.0	U	5.0	
127-18-4	Tetrachloroethene (PCE)	**89**	D	5.0	
108-88-3	Toluene	5.0	U	5.0	
79-01-6	Trichloroethene (TCE)	**570**	D	5.0	
75-69-4	Trichlorofluoromethane (CFC 11)	5.0	U	5.0	
75-01-4	Vinyl Chloride	5.0	U	5.0	
156-59-2	cis-1,2-Dichloroethene	**56**	D	5.0	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	
179601-23-1	m,p-Xylenes	10	U	10	
95-47-6	o-Xylene	5.0	U	5.0	
156-60-5	trans-1,2-Dichloroethene	**7.7**	D	5.0	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85-122	9/23/14 16:21	
Dibromofluoromethane	97	89-119	9/23/14 16:21	
Toluene-d8	96	87-121	9/23/14 16:21	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Extracted:	9/19/14
		Date Analyzed:	9/22/14 14:21
Sample Name:	MW5	**Units:**	µg/L
Lab Code:	R1407289-004	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	412638
Prep Method:	EPA 3510C	**Extraction Lot:**	218460
Data File Name:	I:\ACQUDATA\5973C\DATA\092214\BM257.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	0.20	U	0.20	
208-96-8	Acenaphthylene	0.20	U	0.20	
120-12-7	Anthracene	0.20	U	0.20	
56-55-3	Benz(a)anthracene	0.20	U	0.20	
205-99-2	Benzo(b)fluoranthene	0.20	U	0.20	
207-08-9	Benzo(k)fluoranthene	0.20	U	0.20	
191-24-2	Benzo(g,h,i)perylene	0.20	U	0.20	
50-32-8	Benzo(a)pyrene	0.20	U	0.20	
218-01-9	Chrysene	0.20	U	0.20	
53-70-3	Dibenz(a,h)anthracene	0.20	U	0.20	
206-44-0	Fluoranthene	0.20	U	0.20	
86-73-7	Fluorene	0.20	U	0.20	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.20	
91-20-3	Naphthalene	0.20	U	0.20	
85-01-8	Phenanthrene	**0.47**		0.20	
129-00-0	Pyrene	0.20	U	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	61	27-133	9/22/14 14:21	
Nitrobenzene-d5	76	31-167	9/22/14 14:21	
p-Terphenyl-d14	91	38-166	9/22/14 14:21	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW3		
Lab Code:	R1407289-005	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 12:42	
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 12:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	MW3		
Lab Code:	R1407289-005	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	100	U	µg/L	100	1	9/18/14	9/30/14 17:29	
Antimony, Total	6010C	60	U	µg/L	60	1	9/18/14	9/30/14 17:29	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:29	
Barium, Total	6010C	**44**		µg/L	20	1	9/18/14	9/30/14 17:29	
Beryllium, Total	6010C	3.0	U	µg/L	3.0	1	9/18/14	9/30/14 17:29	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/18/14	9/30/14 17:29	
Calcium, Total	6010C	**183000**		µg/L	5000	5	9/18/14	9/30/14 20:11	
Chromium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:29	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:29	
Copper, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:29	
Iron, Total	6010C	**590**		µg/L	100	1	9/18/14	9/30/14 17:29	
Lead, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:29	
Magnesium, Total	6010C	**150000**		µg/L	1000	1	9/18/14	9/30/14 17:29	
Manganese, Total	6010C	**212**		µg/L	10	1	9/18/14	9/30/14 17:29	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/25/14	9/25/14 17:14	
Nickel, Total	6010C	40	U	µg/L	40	1	9/18/14	9/30/14 17:29	
Potassium, Total	6010C	**6100**		µg/L	2000	1	9/18/14	9/30/14 17:29	
Selenium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:29	
Silver, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:29	
Sodium, Total	6010C	**154000**		µg/L	5000	5	9/18/14	9/30/14 20:11	
Thallium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:29	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:29	
Zinc, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:29	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 15:50
Sample Name:	MW3	**Units:**	µg/L
Lab Code:	R1407289-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2283.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	**2.3**		1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 15:50
Sample Name:	MW3	**Units:**	µg/L
Lab Code:	R1407289-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2283.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	**180**		1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	**34**		1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	**1.5**		1.0	
156-59-2	cis-1,2-Dichloroethene	**22**		1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85-122	9/23/14 15:50	
Dibromofluoromethane	99	89-119	9/23/14 15:50	
Toluene-d8	97	87-121	9/23/14 15:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Extracted:	9/19/14
		Date Analyzed:	9/22/14 14:50
Sample Name:	MW3	**Units:**	µg/L
Lab Code:	R1407289-005	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	412638
Prep Method:	EPA 3510C	**Extraction Lot:**	218460
Data File Name:	I:\ACQUDATA\5973C\DATA\092214\BM258.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	0.20	U	0.20	
208-96-8	Acenaphthylene	0.20	U	0.20	
120-12-7	Anthracene	0.20	U	0.20	
56-55-3	Benz(a)anthracene	0.20	U	0.20	
205-99-2	Benzo(b)fluoranthene	0.20	U	0.20	
207-08-9	Benzo(k)fluoranthene	0.20	U	0.20	
191-24-2	Benzo(g,h,i)perylene	0.20	U	0.20	
50-32-8	Benzo(a)pyrene	0.20	U	0.20	
218-01-9	Chrysene	0.20	U	0.20	
53-70-3	Dibenz(a,h)anthracene	0.20	U	0.20	
206-44-0	Fluoranthene	0.20	U	0.20	
86-73-7	Fluorene	0.20	U	0.20	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.20	
91-20-3	Naphthalene	0.20	U	0.20	
85-01-8	Phenanthrene	**0.52**		0.20	
129-00-0	Pyrene	0.20	U	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	76	27-133	9/22/14 14:50	
Nitrobenzene-d5	89	31-167	9/22/14 14:50	
p-Terphenyl-d14	96	38-166	9/22/14 14:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 12:21
Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1407289-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2276.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 12:21
Sample Name:	TRIP BLANK 1	**Units:**	µg/L
Lab Code:	R1407289-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2276.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85-122	9/23/14 12:21	
Dibromofluoromethane	99	89-119	9/23/14 12:21	
Toluene-d8	95	87-121	9/23/14 12:21	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 12:51
Sample Name:	TRIP BLANK 2	**Units:**	µg/L
Lab Code:	R1407289-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2277.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 12:51
Sample Name:	TRIP BLANK 2	**Units:**	µg/L
Lab Code:	R1407289-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2277.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	9/23/14 12:51	
Dibromofluoromethane	100	89-119	9/23/14 12:51	
Toluene-d8	96	87-121	9/23/14 12:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	FB		
Lab Code:	R1407289-008	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 13:40	
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 13:48	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	FB		
Lab Code:	R1407289-008	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	100	U	µg/L	100	1	9/18/14	9/30/14 17:36	
Antimony, Total	6010C	60	U	µg/L	60	1	9/18/14	9/30/14 17:36	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:36	
Barium, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:36	
Beryllium, Total	6010C	3.0	U	µg/L	3.0	1	9/18/14	9/30/14 17:36	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/18/14	9/30/14 17:36	
Calcium, Total	6010C	**48500**		µg/L	1000	1	9/18/14	9/30/14 17:36	
Chromium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:36	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:36	
Copper, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:36	
Iron, Total	6010C	100	U	µg/L	100	1	9/18/14	9/30/14 17:36	
Lead, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:36	
Magnesium, Total	6010C	**10700**		µg/L	1000	1	9/18/14	9/30/14 17:36	
Manganese, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:36	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/25/14	9/25/14 17:15	
Nickel, Total	6010C	40	U	µg/L	40	1	9/18/14	9/30/14 17:36	
Potassium, Total	6010C	2000	U	µg/L	2000	1	9/18/14	9/30/14 17:36	
Selenium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:36	
Silver, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:36	
Sodium, Total	6010C	**9500**		µg/L	1000	1	9/18/14	9/30/14 17:36	
Thallium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:36	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:36	
Zinc, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:36	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 13:20
Sample Name:	FB	**Units:**	µg/L
Lab Code:	R1407289-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2278.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 13:20
Sample Name:	FB	**Units:**	µg/L
Lab Code:	R1407289-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2278.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85-122	9/23/14 13:20	
Dibromofluoromethane	98	89-119	9/23/14 13:20	
Toluene-d8	96	87-121	9/23/14 13:20	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Extracted:	9/19/14
		Date Analyzed:	9/22/14 15:20
Sample Name:	FB	**Units:**	µg/L
Lab Code:	R1407289-008	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	412638
Prep Method:	EPA 3510C	**Extraction Lot:**	218460
Data File Name:	I:\ACQUDATA\5973C\DATA\092214\BM259.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	0.20	U	0.20	
208-96-8	Acenaphthylene	0.20	U	0.20	
120-12-7	Anthracene	0.20	U	0.20	
56-55-3	Benz(a)anthracene	0.20	U	0.20	
205-99-2	Benzo(b)fluoranthene	0.20	U	0.20	
207-08-9	Benzo(k)fluoranthene	0.20	U	0.20	
191-24-2	Benzo(g,h,i)perylene	0.20	U	0.20	
50-32-8	Benzo(a)pyrene	0.20	U	0.20	
218-01-9	Chrysene	0.20	U	0.20	
53-70-3	Dibenz(a,h)anthracene	0.20	U	0.20	
206-44-0	Fluoranthene	0.20	U	0.20	
86-73-7	Fluorene	0.20	U	0.20	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.20	
91-20-3	Naphthalene	0.20	U	0.20	
85-01-8	Phenanthrene	0.20	U	0.20	
129-00-0	Pyrene	0.20	U	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	85	27-133	9/22/14 15:20	
Nitrobenzene-d5	84	31-167	9/22/14 15:20	
p-Terphenyl-d14	95	38-166	9/22/14 15:20	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	DUP		
Lab Code:	R1407289-009	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 13:25	
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 13:33	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
Sample Name:	DUP		
Lab Code:	R1407289-009	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	100	U	µg/L	100	1	9/18/14	9/30/14 17:42	
Antimony, Total	6010C	60	U	µg/L	60	1	9/18/14	9/30/14 17:42	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:42	
Barium, Total	6010C	**48**		µg/L	20	1	9/18/14	9/30/14 17:42	
Beryllium, Total	6010C	3.0	U	µg/L	3.0	1	9/18/14	9/30/14 17:42	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/18/14	9/30/14 17:42	
Calcium, Total	6010C	**180000**		µg/L	5000	5	9/18/14	9/30/14 20:18	
Chromium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:42	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:42	
Copper, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:42	
Iron, Total	6010C	**560**		µg/L	100	1	9/18/14	9/30/14 17:42	
Lead, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:42	
Magnesium, Total	6010C	**148000**		µg/L	1000	1	9/18/14	9/30/14 17:42	
Manganese, Total	6010C	**205**		µg/L	10	1	9/18/14	9/30/14 17:42	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/25/14	9/25/14 17:17	
Nickel, Total	6010C	40	U	µg/L	40	1	9/18/14	9/30/14 17:42	
Potassium, Total	6010C	**5900**		µg/L	2000	1	9/18/14	9/30/14 17:42	
Selenium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:42	
Silver, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:42	
Sodium, Total	6010C	**146000**		µg/L	5000	5	9/18/14	9/30/14 20:18	
Thallium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 17:42	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 17:42	
Zinc, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 17:42	

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Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 16:51
Sample Name:	DUP	**Units:**	µg/L
Lab Code:	R1407289-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2285.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/23/14 16:51
Sample Name:	DUP	**Units:**	µg/L
Lab Code:	R1407289-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2285.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	220	E	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	38		1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	2.7		1.0	
156-59-2	cis-1,2-Dichloroethene	29		1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.2		1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	9/23/14 16:51	
Dibromofluoromethane	99	89-119	9/23/14 16:51	
Toluene-d8	98	87-121	9/23/14 16:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/24/14 17:19
Sample Name:	DUP	**Units:**	µg/L
Lab Code:	R1407289-009	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412618
Data File Name:	I:\ACQUDATA\msvoa10\data\092414\A2315.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	2.0	U	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	2.0	U	2.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	2.0	U	2.0	
87-61-6	1,2,3-Trichlorobenzene	2.0	U	2.0	
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	4.0	U	4.0	
106-93-4	1,2-Dibromoethane	2.0	U	2.0	
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	
107-06-2	1,2-Dichloroethane	2.0	U	2.0	
78-87-5	1,2-Dichloropropane	2.0	U	2.0	
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	
123-91-1	1,4-Dioxane	80	U	80	
78-93-3	2-Butanone (MEK)	10	U	10	
591-78-6	2-Hexanone	10	U	10	
108-10-1	4-Methyl-2-pentanone	10	U	10	
67-64-1	Acetone	10	U	10	
71-43-2	Benzene	2.0	U	2.0	
74-97-5	Bromochloromethane	2.0	U	2.0	
75-27-4	Bromodichloromethane	2.0	U	2.0	
75-25-2	Bromoform	2.0	U	2.0	
74-83-9	Bromomethane	2.0	U	2.0	
75-15-0	Carbon Disulfide	2.0	U	2.0	
56-23-5	Carbon Tetrachloride	2.0	U	2.0	
108-90-7	Chlorobenzene	2.0	U	2.0	
75-00-3	Chloroethane	2.0	U	2.0	
67-66-3	Chloroform	2.0	U	2.0	
74-87-3	Chloromethane	2.0	U	2.0	
110-82-7	Cyclohexane	2.0	U	2.0	
124-48-1	Dibromochloromethane	2.0	U	2.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	2.0	U	2.0	
75-09-2	Dichloromethane	2.0	U	2.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Analyzed:	9/24/14 17:19
Sample Name:	DUP	**Units:**	µg/L
Lab Code:	R1407289-009	**Basis:**	NA
Run Type:	Dilution		

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412618
Data File Name:	I:\ACQUDATA\msvoa10\data\092414\A2315.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	2.0	U	2.0	
98-82-8	Isopropylbenzene (Cumene)	2.0	U	2.0	
79-20-9	Methyl Acetate	4.0	U	4.0	
1634-04-4	Methyl tert-Butyl Ether	2.0	U	2.0	
108-87-2	Methylcyclohexane	2.0	U	2.0	
100-42-5	Styrene	2.0	U	2.0	
127-18-4	Tetrachloroethene (PCE)	**190**	D	2.0	
108-88-3	Toluene	2.0	U	2.0	
79-01-6	Trichloroethene (TCE)	**35**	D	2.0	
75-69-4	Trichlorofluoromethane (CFC 11)	2.0	U	2.0	
75-01-4	Vinyl Chloride	**2.4**	D	2.0	
156-59-2	cis-1,2-Dichloroethene	**25**	D	2.0	
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	
179601-23-1	m,p-Xylenes	4.0	U	4.0	
95-47-6	o-Xylene	2.0	U	2.0	
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	9/24/14 17:19	
Dibromofluoromethane	98	89-119	9/24/14 17:19	
Toluene-d8	97	87-121	9/24/14 17:19	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	9/16/14
Sample Matrix:	Water	**Date Received:**	9/17/14
		Date Extracted:	9/19/14
		Date Analyzed:	9/22/14 15:49
Sample Name:	DUP	**Units:**	µg/L
Lab Code:	R1407289-009	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	412638
Prep Method:	EPA 3510C	**Extraction Lot:**	218460
Data File Name:	I:\ACQUDATA\5973C\DATA\092214\BM260.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	0.20	U	0.20	
208-96-8	Acenaphthylene	0.20	U	0.20	
120-12-7	Anthracene	0.20	U	0.20	
56-55-3	Benz(a)anthracene	0.20	U	0.20	
205-99-2	Benzo(b)fluoranthene	0.20	U	0.20	
207-08-9	Benzo(k)fluoranthene	0.20	U	0.20	
191-24-2	Benzo(g,h,i)perylene	0.20	U	0.20	
50-32-8	Benzo(a)pyrene	0.20	U	0.20	
218-01-9	Chrysene	0.20	U	0.20	
53-70-3	Dibenz(a,h)anthracene	0.20	U	0.20	
206-44-0	Fluoranthene	0.20	U	0.20	
86-73-7	Fluorene	0.20	U	0.20	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.20	
91-20-3	Naphthalene	0.20	U	0.20	
85-01-8	Phenanthrene	**0.57**		0.20	
129-00-0	Pyrene	0.20	U	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	86	27-133	9/22/14 15:49	
Nitrobenzene-d5	94	31-167	9/22/14 15:49	
p-Terphenyl-d14	101	38-166	9/22/14 15:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1407289-MB	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 10:52	
Chromium, Hexavalent	7199	0.010	U	mg/L	0.010	1	NA	9/17/14 10:52	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1407289-MB	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	100	U	µg/L	100	1	9/18/14	9/30/14 15:47	
Antimony, Total	6010C	60	U	µg/L	60	1	9/18/14	9/30/14 15:47	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 15:47	
Barium, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 15:47	
Beryllium, Total	6010C	3.0	U	µg/L	3.0	1	9/18/14	9/30/14 15:47	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/18/14	9/30/14 15:47	
Calcium, Total	6010C	1000	U	µg/L	1000	1	9/18/14	9/30/14 15:47	
Chromium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 15:47	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 15:47	
Copper, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 15:47	
Iron, Total	6010C	100	U	µg/L	100	1	9/18/14	9/30/14 15:47	
Lead, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 15:47	
Magnesium, Total	6010C	1000	U	µg/L	1000	1	9/18/14	9/30/14 15:47	
Manganese, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 15:47	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/25/14	9/25/14 16:56	
Nickel, Total	6010C	40	U	µg/L	40	1	9/18/14	9/30/14 15:47	
Potassium, Total	6010C	2000	U	µg/L	2000	1	9/18/14	9/30/14 15:47	
Selenium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 15:47	
Silver, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 15:47	
Sodium, Total	6010C	1000	U	µg/L	1000	1	9/18/14	9/30/14 15:47	
Thallium, Total	6010C	10	U	µg/L	10	1	9/18/14	9/30/14 15:47	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/18/14	9/30/14 15:47	
Zinc, Total	6010C	20	U	µg/L	20	1	9/18/14	9/30/14 15:47	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	9/23/14 11:50
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1411712-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2275.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	9/23/14 11:50
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1411712-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412617
Data File Name:	I:\ACQUDATA\msvoa10\data\092314\A2275.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85-122	9/23/14 11:50	
Dibromofluoromethane	97	89-119	9/23/14 11:50	
Toluene-d8	95	87-121	9/23/14 11:50	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	9/24/14 11:52
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1411592-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412618
Data File Name:	I:\ACQUDATA\msvoa10\data\092414\A2304.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
123-91-1	1,4-Dioxane	40	U	40	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
74-97-5	Bromochloromethane	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	9/24/14 11:52
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1411592-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	412618
Data File Name:	I:\ACQUDATA\msvoa10\data\092414\A2304.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85-122	9/24/14 11:52	
Dibromofluoromethane	98	89-119	9/24/14 11:52	
Toluene-d8	98	87-121	9/24/14 11:52	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Leader Professional Services, Inc.	**Service Request:**	R1407289
Project:	350 Niagara Street/855.001	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	9/19/14
		Date Analyzed:	9/22/14 11:24
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1411131-01	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	412638
Prep Method:	EPA 3510C	**Extraction Lot:**	218460
Data File Name:	I:\ACQUDATA\5973C\DATA\092214\BM251.D\	**Instrument Name:**	R-MS-53
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
83-32-9	Acenaphthene	0.20	U	0.20	
208-96-8	Acenaphthylene	0.20	U	0.20	
120-12-7	Anthracene	0.20	U	0.20	
56-55-3	Benz(a)anthracene	0.20	U	0.20	
205-99-2	Benzo(b)fluoranthene	0.20	U	0.20	
207-08-9	Benzo(k)fluoranthene	0.20	U	0.20	
191-24-2	Benzo(g,h,i)perylene	0.20	U	0.20	
50-32-8	Benzo(a)pyrene	0.20	U	0.20	
218-01-9	Chrysene	0.20	U	0.20	
53-70-3	Dibenz(a,h)anthracene	0.20	U	0.20	
206-44-0	Fluoranthene	0.20	U	0.20	
86-73-7	Fluorene	0.20	U	0.20	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.20	
91-20-3	Naphthalene	0.20	U	0.20	
85-01-8	Phenanthrene	0.20	U	0.20	
129-00-0	Pyrene	0.20	U	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	79	27-133	9/22/14 11:24	
Nitrobenzene-d5	85	31-167	9/22/14 11:24	
p-Terphenyl-d14	98	38-166	9/22/14 11:24	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street/855.001
Sample Matrix: Water

Service Request: R1407289
Date Analyzed: 9/17/14

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1407289-LCS Result	Spike Amount	% Rec	% Rec Limits
Chromium, Hexavalent	7199	0.193	0.200	96	85 - 115
Chromium, Hexavalent	7199	0.196	0.200	98	85 - 115

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street/855.001
Sample Matrix: Water

Service Request: R1407289
Date Analyzed: 9/25/14 - 9/30/14

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1407289-LCS Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total	6010C	1890	2000	95	80 - 120
Antimony, Total	6010C	477	500	95	80 - 120
Arsenic, Total	6010C	39.0	40	98	80 - 120
Barium, Total	6010C	2050	2000	102	80 - 120
Beryllium, Total	6010C	49.3	50.0	99	80 - 120
Cadmium, Total	6010C	49.6	50.0	99	80 - 120
Calcium, Total	6010C	2050	2000	102	80 - 120
Chromium, Total	6010C	206	200	103	80 - 120
Cobalt, Total	6010C	505	500	101	80 - 120
Copper, Total	6010C	272	250	109	80 - 120
Iron, Total	6010C	1030	1000	103	80 - 120
Lead, Total	6010C	497	500	99	80 - 120
Magnesium, Total	6010C	2010	2000	101	80 - 120
Manganese, Total	6010C	505	500	101	80 - 120
Mercury, Total	7470A	0.963	1.00	96	80 - 120
Nickel, Total	6010C	511	500	102	80 - 120
Potassium, Total	6010C	19500	20000	97	80 - 120
Selenium, Total	6010C	976	1010	97	80 - 120
Silver, Total	6010C	49.8	50	100	80 - 120
Sodium, Total	6010C	20300	20000	101	80 - 120
Thallium, Total	6010C	1860	2000	93	80 - 120
Vanadium, Total	6010C	493	500	99	80 - 120
Zinc, Total	6010C	514	500	103	80 - 120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street/855.001
Sample Matrix: Water

Service Request: R1407289
Date Analyzed: 9/23/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 412617

Analyte Name	Lab Control Sample RQ1411712-02 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	17.6	20.0	88	71 - 123
1,1,2,2-Tetrachloroethane	21.9	20.0	109	74 - 127
1,1,2-Trichloroethane	21.1	20.0	105	79 - 117
1,1,2-Trichloro-1,2,2-trifluoroethane	19.0	20.0	95	64 - 136
1,1-Dichloroethane (1,1-DCA)	16.4	20.0	82	76 - 128
1,1-Dichloroethene (1,1-DCE)	21.5	20.0	108	74 - 135
1,2,3-Trichlorobenzene	26.9	20.0	134	60 - 144
1,2,4-Trichlorobenzene	23.8	20.0	119	60 - 141
1,2-Dibromo-3-chloropropane (DBCP)	26.5	20.0	132	69 - 135
1,2-Dibromoethane	23.1	20.0	115	81 - 123
1,2-Dichlorobenzene	20.9	20.0	104	80 - 119
1,2-Dichloroethane	18.1	20.0	91	72 - 130
1,2-Dichloropropane	18.5	20.0	92	80 - 119
1,3-Dichlorobenzene	20.8	20.0	104	79 - 121
1,4-Dichlorobenzene	20.6	20.0	103	79 - 119
1,4-Dioxane	523	400	131	51 - 157
2-Butanone (MEK)	17.8	20.0	89	66 - 129
2-Hexanone	18.6	20.0	93	61 - 131
4-Methyl-2-pentanone	18.9	20.0	94	68 - 129
Acetone	19.9	20.0	100	51 - 146
Benzene	18.1	20.0	90	76 - 118
Bromochloromethane	20.5	20.0	102	81 - 126
Bromodichloromethane	19.0	20.0	95	79 - 122
Bromoform	23.4	20.0	117	65 - 138
Bromomethane	24.0	20.0	120	41 - 159
Carbon Disulfide	16.1	20.0	80	63 - 141
Carbon Tetrachloride	19.3	20.0	96	66 - 128
Chlorobenzene	20.6	20.0	103	80 - 121
Chloroethane	19.2	20.0	96	71 - 128
Chloroform	17.4	20.0	87	76 - 120
Chloromethane	21.1	20.0	105	64 - 140
Cyclohexane	14.9	20.0	74	55 - 128
Dibromochloromethane	22.6	20.0	113	79 - 125

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street/855.001
Sample Matrix: Water

Service Request: R1407289
Date Analyzed: 9/23/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 412617

Analyte Name	Lab Control Sample RQ1411712-02 Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	19.9	20.0	99	60 - 150
Dichloromethane	18.2	20.0	91	73 - 122
Ethylbenzene	18.5	20.0	92	76 - 120
Isopropylbenzene (Cumene)	19.8	20.0	99	76 - 126
Methyl Acetate	19.0	20.0	95	66 - 121
Methyl tert-Butyl Ether	19.1	20.0	95	73 - 131
Methylcyclohexane	17.1	20.0	86	51 - 129
Styrene	20.5	20.0	102	81 - 122
Tetrachloroethene (PCE)	21.1	20.0	105	69 - 124
Toluene	19.2	20.0	96	77 - 120
Trichloroethene (TCE)	20.7	20.0	104	76 - 123
Trichlorofluoromethane (CFC 11)	18.6	20.0	93	69 - 130
Vinyl Chloride	18.4	20.0	92	69 - 136
cis-1,2-Dichloroethene	18.3	20.0	91	80 - 121
cis-1,3-Dichloropropene	19.4	20.0	97	77 - 125
m,p-Xylenes	40.8	40.0	102	78 - 123
o-Xylene	19.9	20.0	99	77 - 131
trans-1,2-Dichloroethene	18.4	20.0	92	78 - 124
trans-1,3-Dichloropropene	19.8	20.0	99	72 - 123

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street/855.001
Sample Matrix: Water

Service Request: R1407289
Date Analyzed: 9/24/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 412618

Analyte Name	Lab Control Sample RQ1411592-02 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	17.9	20.0	89	71 - 123
1,1,2,2-Tetrachloroethane	23.0	20.0	115	74 - 127
1,1,2-Trichloroethane	21.1	20.0	106	79 - 117
1,1,2-Trichloro-1,2,2-trifluoroethane	17.7	20.0	88	64 - 136
1,1-Dichloroethane (1,1-DCA)	16.2	20.0	81	76 - 128
1,1-Dichloroethene (1,1-DCE)	20.1	20.0	101	74 - 135
1,2,3-Trichlorobenzene	26.5	20.0	132	60 - 144
1,2,4-Trichlorobenzene	23.4	20.0	117	60 - 141
1,2-Dibromo-3-chloropropane (DBCP)	26.9	20.0	135	69 - 135
1,2-Dibromoethane	22.5	20.0	113	81 - 123
1,2-Dichlorobenzene	20.4	20.0	102	80 - 119
1,2-Dichloroethane	18.6	20.0	93	72 - 130
1,2-Dichloropropane	18.2	20.0	91	80 - 119
1,3-Dichlorobenzene	20.0	20.0	100	79 - 121
1,4-Dichlorobenzene	20.6	20.0	103	79 - 119
1,4-Dioxane	516	400	129	51 - 157
2-Butanone (MEK)	19.7	20.0	98	66 - 129
2-Hexanone	20.2	20.0	101	61 - 131
4-Methyl-2-pentanone	19.7	20.0	99	68 - 129
Acetone	19.6	20.0	98	51 - 146
Benzene	18.4	20.0	92	76 - 118
Bromochloromethane	20.1	20.0	100	81 - 126
Bromodichloromethane	19.4	20.0	97	79 - 122
Bromoform	22.8	20.0	114	65 - 138
Bromomethane	23.9	20.0	119	41 - 159
Carbon Disulfide	16.4	20.0	82	63 - 141
Carbon Tetrachloride	18.7	20.0	94	66 - 128
Chlorobenzene	19.6	20.0	98	80 - 121
Chloroethane	18.7	20.0	94	71 - 128
Chloroform	17.7	20.0	89	76 - 120
Chloromethane	19.5	20.0	98	64 - 140
Cyclohexane	14.9	20.0	75	55 - 128
Dibromochloromethane	21.7	20.0	108	79 - 125

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street/855.001
Sample Matrix: Water

Service Request: R1407289
Date Analyzed: 9/24/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 412618

Lab Control Sample
RQ1411592-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	18.5	20.0	92	60 - 150
Dichloromethane	18.0	20.0	90	73 - 122
Ethylbenzene	18.0	20.0	90	76 - 120
Isopropylbenzene (Cumene)	19.2	20.0	96	76 - 126
Methyl Acetate	18.7	20.0	93	66 - 121
Methyl tert-Butyl Ether	18.7	20.0	94	73 - 131
Methylcyclohexane	16.7	20.0	84	51 - 129
Styrene	20.2	20.0	101	81 - 122
Tetrachloroethene (PCE)	19.8	20.0	99	69 - 124
Toluene	19.0	20.0	95	77 - 120
Trichloroethene (TCE)	19.4	20.0	97	76 - 123
Trichlorofluoromethane (CFC 11)	17.7	20.0	88	69 - 130
Vinyl Chloride	18.2	20.0	91	69 - 136
cis-1,2-Dichloroethene	18.2	20.0	91	80 - 121
cis-1,3-Dichloropropene	20.4	20.0	102	77 - 125
m,p-Xylenes	39.0	40.0	98	78 - 123
o-Xylene	19.5	20.0	98	77 - 131
trans-1,2-Dichloroethene	17.6	20.0	88	78 - 124
trans-1,3-Dichloropropene	21.3	20.0	107	72 - 123

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Leader Professional Services, Inc.
Project: 350 Niagara Street/855.001
Sample Matrix: Water

Service Request: R1407289
Date Analyzed: 9/22/14

Lab Control Sample Summary
Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 218460

Analyte Name	Lab Control Sample RQ1411131-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1411131-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Acenaphthene	5.75	6.00	96	6.06	6.00	101	56 - 123	5	30
Acenaphthylene	5.72	6.00	95	6.14	6.00	102	54 - 125	7	30
Anthracene	5.61	6.00	94	6.43	6.00	107	52 - 128	14	30
Benz(a)anthracene	5.89	6.00	98	6.42	6.00	107	60 - 129	9	30
Benzo(b)fluoranthene	6.08	6.00	101	6.55	6.00	109	65 - 125	7	30
Benzo(k)fluoranthene	5.49	6.00	92	5.91	6.00	98	58 - 117	7	30
Benzo(g,h,i)perylene	5.75	6.00	96	6.37	6.00	106	61 - 127	10	30
Benzo(a)pyrene	5.33	6.00	89	6.01	6.00	100	55 - 119	12	30
Chrysene	6.13	6.00	102	6.40	6.00	107	60 - 129	4	30
Dibenz(a,h)anthracene	5.80	6.00	97	6.35	6.00	106	64 - 131	9	30
Fluoranthene	6.43	6.00	107	7.06	6.00	118	60 - 136	9	30
Fluorene	6.04	6.00	101	6.16	6.00	103	56 - 132	2	30
Indeno(1,2,3-cd)pyrene	5.81	6.00	97	6.30	6.00	105	60 - 126	8	30
Naphthalene	4.76	6.00	79	4.89	6.00	82	49 - 109	3	30
Phenanthrene	6.21	6.00	104	6.52	6.00	109	60 - 135	5	30
Pyrene	6.29	6.00	105	6.98	6.00	116	53 - 143	10	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

16895

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name: 350 NIAGARA ST.	Project Number: 855.001
Project Manager: Pete Von Schondorf	Report CC:
Company/Address: LEADER PROF. SERVICES INC 271 MARSH RD. PITTSFORD, N.Y.	
Phone #: 585-248-2413	Email: pvonschondorf@leaderps.com
Sampler's Signature: Pete Von Schondorf	Sampler's Printed Name: Pete von Schondorf

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	PRESERVATIVE	1	8			2			8															
							SCANSTARS 8260 • 624 • OLP	SCANS TICS 8270 • 625	SC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	TAL + 6															
MW 1		9-16-14		W	7		✓	✓				✓		✓															
MW 2		"		W	7		✓	✓				✓		✓															
MW 4		"		W	7		✓	✓				✓		✓															
MW 5		"		W	7		✓	✓				✓		✓															
MW 3		"		W	7		✓	✓				✓		✓															
TRIP BLANK		"		W	3		✓																						
TRIP BLANK		"		W	3		✓																						
FB		"		W	7		✓	✓				✓		✓															
DUP		9/16/14		W			✓	✓				✓		✓															

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other KE

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals
TAL METAL + Hg

DUP added to COC as per Pete von Schondorf thru 9/9/14

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day ____ 5 day
REQUESTED REPORT DATE
STD

REPORT REQUIREMENTS
____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
Edata ✓ Yes ____ No

INVOICE INFORMATION
855001
PO #
BILL TO: LEADER

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Pete von Schondorf	Signature: J. Seward	Signature	Signature	Signature	
Printed Name: PETE VON SCHONDORF	Printed Name: J. Seward	Printed Name	Printed Name	Printed Name	
Firm: LEADER	Firm: ALS	Firm	Firm	Firm	
Date/Time: 9/17/14 8:20	Date/Time: 9/19/14 0820	Date/Time	Date/Time	Date/Time	

R1407289 5
Leader Professional Services, Inc.
360 Niagara Street

Distribution: White - Lab Copy; Yellow - Return to Originator

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Cooler Receipt and Preservation Check Form

Project/Client Leader Folder Number 7389

Cooler received on 9/17 by: JJS

COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1	Were Custody seals on outside of cooler?	(Y) N	5a	Perchlorate samples have required headspace?	Y N (NA)
2	Custody papers properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* bubbles?	Y (N) NA
3	Did all bottles arrive in good condition (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: Wet Ice Dry Ice Gel packs present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 9/17 Time: 0825 ID: (IR#3) IR#4 From: (Temp Blank) Sample Bottle

Observed Temp (°C)	0.4	1.0	0.6				
Correction Factor (°C)	-0.2	-	-0.2				
Corrected Temp (°C)	0.2	1.0	0.4				
Within 0-6°C?	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: RWL by JJS on 9/17 at 0825

5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: JMS 9/17/14

Cooler Breakdown: Date: 9/17/14 Time: 1350 by: (initials)

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES (NO)
2. Did all bottle labels and tags agree with custody papers? YES (NO)
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3	✓		BBB26137E	8/15				
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**	4113070	8/15				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 4-086-003, 070714-28A0, 062314-18LT

Other Comments:

Rec'd "DUP" location not on C.O.C.

PC Secondary Review: JMS 10/2/14

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Appendix C
Results of Johnson Ettinger Soil Gas Modeling

INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 10:59:49 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 96[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: Tetrachloroethylene CAS Number: 127184
Molecular Weight: 165.83 [g/mole] Henrys Constant: 0.3047988 [unitless]
Diffusivity in Air: 7.200e-2 [cm^2/sec] Diffusivity in Water: 8.200e-6 [cm^2/sec]
Unit Risk Factor: 0.000003 [(µg/m^3)$^{-1}$] Reference Concentration: 0 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.004532[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001143

[1]Low Indoor Air Prediction: 0.03302 [µg/m^3] or 0.004872 [ppbv]
Cancer Risk of this concentration: 4.071e-8 Hazard Risk of this concentration: 0.

Best Estimate Indoor Air Prediction: 0.1097[µg/m^3] or 0.01619 [ppbv]
Cancer Risk of this concentration: 1.353e-7 Hazard Risk of this concentration: 0.

[2]High Indoor Air Prediction: 0.1859[µg/m^3] or 0.02742 [ppbv]
Cancer Risk of this concentration: 2.291e-7 Hazard Risk of this concentration: 0.

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.
[2]"High Prediction" concentrations produced with LOWEST moisture content.

INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 11:02:04 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 2.7[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: Trichloroethylene CAS Number: 79016
Molecular Weight: 131.39 [g/mole] Henrys Constant: 0.1884511 [unitless]
Diffusivity in Air: 7.900e-2 [cm^2/sec] Diffusivity in Water: 9.100e-6 [cm^2/sec]
Unit Risk Factor: 0.00011 [(µg/m^3)$^{-1}$] Reference Concentration: 0.04 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.004973[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001213

[1]Low Indoor Air Prediction: 0.001010 [µg/m^3] or 1.880e-4 [ppbv]
Cancer Risk of this concentration: 4.564e-8 Hazard Risk of this concentration: 2.524e-5

Best Estimate Indoor Air Prediction: 0.003276[µg/m^3] or 6.100e-4 [ppbv]
Cancer Risk of this concentration: 1.481e-7 Hazard Risk of this concentration: 8.189e-5

[2]High Indoor Air Prediction: 0.005424[µg/m^3] or 0.001010 [ppbv]
Cancer Risk of this concentration: 2.452e-7 Hazard Risk of this concentration: 1.356e-4

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.

INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 10:40:36 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 49[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: Benzene CAS Number: 71432
Molecular Weight: 78.11 [g/mole] Henrys Constant: 0.1061007 [unitless]
Diffusivity in Air: 8.800e-2 [cm^2/sec] Diffusivity in Water: 9.800e-6 [cm^2/sec]
Unit Risk Factor: 0.0000078 [(µg/m^3)$^{-1}$] Reference Concentration: 0 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.00554[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001297

[1]Low Indoor Air Prediction: 0.02018 [µg/m^3] or 0.006320 [ppbv]
Cancer Risk of this concentration: 6.468e-8 Hazard Risk of this concentration: 0.

Best Estimate Indoor Air Prediction: 0.06355[µg/m^3] or 0.01990 [ppbv]
Cancer Risk of this concentration: 2.037e-7 Hazard Risk of this concentration: 0.

[2]High Indoor Air Prediction: 0.1025[µg/m^3] or 0.03210 [ppbv]
Cancer Risk of this concentration: 3.286e-7 Hazard Risk of this concentration: 0.

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.
[2]"High Prediction" concentrations produced with LOWEST moisture content.

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INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 11:00:52 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 92[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: Toluene CAS Number: 108883
Molecular Weight: 92.14 [g/mole] Henrys Constant: 0.1144562 [unitless]
Diffusivity in Air: 8.700e-2 [cm^2/sec] Diffusivity in Water: 8.600e-6 [cm^2/sec]
Unit Risk Factor: 0 [(µg/m^3)$^{-1}$] Reference Concentration: 0.4 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.005477[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001288

[1]Low Indoor Air Prediction: 0.03748 [µg/m^3] or 0.009953 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 9.371e-5

Best Estimate Indoor Air Prediction: 0.1185[µg/m^3] or 0.03146 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 2.962e-4

[2]High Indoor Air Prediction: 0.1916[µg/m^3] or 0.05089 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 4.791e-4

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.
[2]"High Prediction" concentrations produced with LOWEST moisture content.

INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 11:03:08 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 30[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: m-Xylene CAS Number: 108383
Molecular Weight: 106.17 [g/mole] Henrys Constant: 0.1133012 [unitless]
Diffusivity in Air: 7.000e-2 [cm^2/sec] Diffusivity in Water: 7.800e-6 [cm^2/sec]
Unit Risk Factor: 0 [(µg/m^3)$^{-1}$] Reference Concentration: 7 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.004407[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001122

[1]Low Indoor Air Prediction: 0.01008 [µg/m^3] or 0.002324 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 1.441e-6

Best Estimate Indoor Air Prediction: 0.03367[µg/m^3] or 0.007759 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 4.810e-6

[2]High Indoor Air Prediction: 0.05741[µg/m^3] or 0.01323 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 8.201e-6

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.
[2]"High Prediction" concentrations produced with LOWEST moisture content.

INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 11:03:30 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 30[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: p-Xylene CAS Number: 106423
Molecular Weight: 106.17 [g/mole] Henrys Constant: 0.1183195 [unitless]
Diffusivity in Air: 7.690e-2 [cm^2/sec] Diffusivity in Water: 8.440e-6 [cm^2/sec]
Unit Risk Factor: 0 [(µg/m^3)$^{-1}$] Reference Concentration: 7 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.004841[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001193

[1]Low Indoor Air Prediction: 0.01096 [µg/m^3] or 0.002527 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 1.566e-6

Best Estimate Indoor Air Prediction: 0.03578[µg/m^3] or 0.008246 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 5.112e-6

[2]High Indoor Air Prediction: 0.05964[µg/m^3] or 0.01374 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 8.520e-6

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.
[2]"High Prediction" concentrations produced with LOWEST moisture content.

INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 11:04:23 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 30[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: m-Xylene CAS Number: 108383
Molecular Weight: 106.17 [g/mole] Henrys Constant: 0.1133012 [unitless]
Diffusivity in Air: 7.000e-2 [cm^2/sec] Diffusivity in Water: 7.800e-6 [cm^2/sec]
Unit Risk Factor: 0 [(µg/m^3)$^{-1}$] Reference Concentration: 7 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.004407[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001122

[1]Low Indoor Air Prediction: 0.01008 [µg/m^3] or 0.002324 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 1.441e-6

Best Estimate Indoor Air Prediction: 0.03367[µg/m^3] or 0.007759 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 4.810e-6

[2]High Indoor Air Prediction: 0.05741[µg/m^3] or 0.01323 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 8.201e-6

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.
[2]"High Prediction" concentrations produced with LOWEST moisture content.

INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 11:05:41 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 9.9[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: o-Xylene CAS Number: 95476
Molecular Weight: 106.17 [g/mole] Henrys Constant: 0.07893419 [unitless]
Diffusivity in Air: 8.700e-2 [cm^2/sec] Diffusivity in Water: 1.000e-5 [cm^2/sec]
Unit Risk Factor: 0 [(µg/m^3)$^{-1}$] Reference Concentration: 7 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.005478[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001288

[1]Low Indoor Air Prediction: 0.004042 [µg/m^3] or 9.314e-4 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 5.774e-7

Best Estimate Indoor Air Prediction: 0.01275[µg/m^3] or 0.002938 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 1.822e-6

[2]High Indoor Air Prediction: 0.02062[µg/m^3] or 0.004752 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 2.946e-6

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.
[2]"High Prediction" concentrations produced with LOWEST moisture content.

INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 10:58:14 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 21[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: Methylethylketone (2-butanone) CAS Number: 78933
Molecular Weight: 72.11 [g/mole] Henrys Constant: 0.001036919 [unitless]
Diffusivity in Air: 8.080e-2 [cm^2/sec] Diffusivity in Water: 9.800e-6 [cm^2/sec]
Unit Risk Factor: 0 [(µg/m^3)$^{-1}$] Reference Concentration: 1 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.005188[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001246

[1]Low Indoor Air Prediction: 0.01108 [µg/m^3] or 0.003761 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 1.108e-5

Best Estimate Indoor Air Prediction: 0.02616[µg/m^3] or 0.008876 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 2.616e-5

[2]High Indoor Air Prediction: 0.04256[µg/m^3] or 0.01444 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 4.256e-5

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.
[2]"High Prediction" concentrations produced with LOWEST moisture content.

INDOOR AIR SIMULATION RESULTS

Screening-Level Johnson and Ettinger Model

Site Name: 350 Niagara Street
Report Date: Fri Oct 10 11:06:40 EDT 2014
Report Generated From: http://www.epa.gov/athens/learn2model/part-two/onsite/JnE_lite_forward.htm
Type of sample: SOIL GAS Concentration = 500[µg/m^3]
Depth of soil gas sample: 6ft +/- 0ft
Average soil/ground water temperature: 8.3C

CHEMICAL PROPERTIES
Chemical of Concern: Acetone CAS Number: 67641
Molecular Weight: 58.08 [g/mole] Henrys Constant: 0.0007845143 [unitless]
Diffusivity in Air: 0.1240 [cm^2/sec] Diffusivity in Water: 1.140e-5 [cm^2/sec]
Unit Risk Factor: 0 [(µg/m^3)$^{-1}$] Reference Concentration: 0.35 [mg/m^3]

SOIL PROPERTIES
Soil Type: Loam Total Porosity: 0.399
Unsaturated Zone Moisture Content:
low= 0.061 best estimate= 0.148 high= 0.24
Capillary Zone Moisture Content: 0.332 Height of Capillary Rise: 0.375 [m]
Soil-Gas Flow Rate into Building: 5 [L/min]

BUILDING PROPERTIES
Building Type: Basement Air Exchange Rate: 0.25[hr^{-1}]
Building Mixing Height: 3.66[m] Building Footprint Area: 100[m^2]
Subsurface Foundation Area: 180[m^2] Building Crack Ratio: 0.0002[unitless]
Foundation Slab Thickness: 0.1[m]

EXPOSURE PARAMETERS
Exposure Duration: carcinogens 30 [years] non-carcinogens: 30 [years]
Exposure Frequency: carcinogens 350 [days/year] non-carcinogens: 365 [days/year]
Averaging Time: carcinogens 70 [years] non-carcinogens: 30 [years]

JOHNSON & ETTINGER SIMULATION RESULTS
Effective Diffusion Coefficient (D_{eff}): 0.007963[cm^2/s]
Soil Gas to Indoor Air Attenuation Factor (α_{SG}) = 0.001589

[1]Low Indoor Air Prediction: 0.3731 [µg/m^3] or 0.1572 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 0.001066

Best Estimate Indoor Air Prediction: 0.7945[µg/m^3] or 0.3347 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 0.002270

[2]High Indoor Air Prediction: 1.169[µg/m^3] or 0.4924 [ppbv]
Cancer Risk of this concentration: 0. Hazard Risk of this concentration: 0.003340

Based on parameter analysis: Advection is the dominant mechanism across foundation.

[1]"Low Prediction" concentrations produced with HIGHEST moisture content.
[2]"High Prediction" concentrations produced with LOWEST moisture content.

APPENIDX 2

LABORATORY RESULTS

ANALYTICAL REPORT

Lab Number:	L1709276
Client:	Leader Professional Services, Inc. 271 Marsh Road, Suite 2 Pittsford, NY 14534
ATTN:	Peter Von Schondorf
Phone:	(585) 248-2413
Project Name:	RITE AID
Project Number:	855.002
Report Date:	04/03/17

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), NJ NELAP (MA015), CT (PH-0141), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-13-00067), USFWS (Permit #LE2069641).

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

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1709276-01	OUTDOOR	AIR	350 NIAGARA BUFF	03/27/17 03:45	03/27/17
L1709276-02	SS1	SOIL_VAPOR	350 NIAGARA BUFF	03/27/17 05:35	03/27/17
L1709276-03	IA1	AIR	350 NIAGARA BUFF	03/27/17 03:55	03/27/17
L1709276-04	SS2	SOIL_VAPOR	350 NIAGARA BUFF	03/27/17 05:35	03/27/17
L1709276-05	IA2	AIR	350 NIAGARA BUFF	03/27/17 03:51	03/27/17

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC 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. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

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

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

Project Name:	RITE AID	**Lab Number:**	L1709276
Project Number:	855.002	**Report Date:**	04/03/17

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 24, 2017. The canister certification results are provided as an addendum.

L1709276-02 and -04: The samples have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 04/03/17

AIR

Project Name: RITE AID
Project Number: 855.002
Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-01
Client ID: OUTDOOR
Sample Location: 350 NIAGARA BUFF
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/30/17 18:23
Analyst: RY

Date Collected: 03/27/17 03:45
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.377	0.200	--	1.86	0.989	--		1
Chloromethane	0.505	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.72	5.00	--	10.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.08	1.00	--	7.32	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	4.91	0.500	--	12.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-01
Client ID: OUTDOOR
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 03:45
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.531	0.200	--	2.00	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-01
Client ID: OUTDOOR
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 03:45
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	91		60-140

Project Name: RITE AID
Project Number: 855.002
Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-01
Client ID: OUTDOOR
Sample Location: 350 NIAGARA BUFF
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/30/17 18:23
Analyst: RY

Date Collected: 03/27/17 03:45
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.065	0.020	--	0.409	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

Project Name: RITE AID
Project Number: 855.002
Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-02 D
Client ID: SS1
Sample Location: 350 NIAGARA BUFF
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/31/17 01:17
Analyst: RY

Date Collected: 03/27/17 05:35
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	ND	50.0	--	ND	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	29.7	10.0	--	70.6	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	6.24	5.00	--	15.3	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	6.06	5.00	--	17.9	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-02 D
Client ID: SS1
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 05:35
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	2.35	2.00	--	8.28	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	41.1	2.00	--	221	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	ND	2.00	--	ND	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	2.23	2.00	--	8.40	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	20.1	2.00	--	136	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-02 D
Client ID: SS1
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 05:35
Date Received: 03/27/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	84		60-140

Project Name: RITE AID
Project Number: 855.002
Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-03
Client ID: IA1
Sample Location: 350 NIAGARA BUFF
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/31/17 00:11
Analyst: RY

Date Collected: 03/27/17 03:55
Date Received: 03/27/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.322	0.200	--	1.59	0.989	--		1
Chloromethane	0.387	0.200	--	0.799	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	173	5.00	--	326	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.2	1.00	--	26.6	2.38	--		1
Trichlorofluoromethane	0.204	0.200	--	1.15	1.12	--		1
Isopropanol	20.4	0.500	--	50.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	2.48	0.500	--	8.94	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-03
Client ID: IA1
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 03:55
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.276	0.200	--	0.973	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.287	0.200	--	1.18	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.06	0.200	--	3.99	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-03
Client ID: IA1
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 03:55
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	0.395	0.200	--	2.37	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140

Project Name: RITE AID
Project Number: 855.002
Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-03
Client ID: IA1
Sample Location: 350 NIAGARA BUFF
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/31/17 00:11
Analyst: RY

Date Collected: 03/27/17 03:55
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	0.030	0.020	--	0.161	0.107	--		1
Tetrachloroethene	0.138	0.020	--	0.936	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140

Project Name: RITE AID
Project Number: 855.002
Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-04 D
Client ID: SS2
Sample Location: 350 NIAGARA BUFF
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/31/17 02:21
Analyst: RY

Date Collected: 03/27/17 05:35
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	57.3	50.0	--	108	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	51.2	10.0	--	122	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	8.72	5.00	--	21.4	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	8.28	5.00	--	24.4	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-04 D
Client ID: SS2
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 05:35
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	19.7	5.00	--	58.1	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	9.51	2.00	--	33.5	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	2.90	2.00	--	9.26	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	8.64	2.00	--	29.7	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	2.69	2.00	--	14.5	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	8.09	2.00	--	33.2	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	4.28	2.00	--	16.1	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	11.8	2.00	--	80.0	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-04 D
Client ID: SS2
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 05:35
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	90		60-140

Project Name: RITE AID
Project Number: 855.002
Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-05
Client ID: IA2
Sample Location: 350 NIAGARA BUFF
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/31/17 00:45
Analyst: RY

Date Collected: 03/27/17 03:51
Date Received: 03/27/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.425	0.200	--	2.10	0.989	--		1
Chloromethane	0.515	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	178	5.00	--	335	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.4	1.00	--	27.1	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	22.0	0.500	--	54.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	2.54	0.500	--	9.15	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-05
Client ID: IA2
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 03:51
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.293	0.200	--	1.20	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.967	0.200	--	3.64	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-05
Client ID: IA2
Sample Location: 350 NIAGARA BUFF

Date Collected: 03/27/17 03:51
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	0.444	0.200	--	2.67	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140

Project Name: RITE AID
Project Number: 855.002
Lab Number: L1709276
Report Date: 04/03/17

SAMPLE RESULTS

Lab ID: L1709276-05
Client ID: IA2
Sample Location: 350 NIAGARA BUFF
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/31/17 00:45
Analyst: RY

Date Collected: 03/27/17 03:51
Date Received: 03/27/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	0.029	0.020	--	0.156	0.107	--		1
Tetrachloroethene	0.147	0.020	--	0.997	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	91		60-140

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/30/17 15:27

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG989686-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/30/17 15:27

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG989686-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/30/17 15:27

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG989686-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/30/17 16:03

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,03,05 Batch: WG989687-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/30/17 16:03

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,03,05 Batch: WG989687-4								
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/30/17 16:03

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,03,05 Batch: WG989687-4								
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/30/17 16:03

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,03,05 Batch: WG989687-4								
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG989686-3								
Chlorodifluoromethane	83		-		70-130	-		
Propylene	102		-		70-130	-		
Propane	84		-		70-130	-		
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	87		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	90		-		70-130	-		
Methanol	75		-		70-130	-		
Vinyl chloride	85		-		70-130	-		
1,3-Butadiene	88		-		70-130	-		
Butane	86		-		70-130	-		
Bromomethane	83		-		70-130	-		
Chloroethane	86		-		70-130	-		
Ethyl Alcohol	82		-		70-130	-		
Dichlorofluoromethane	77		-		70-130	-		
Vinyl bromide	82		-		70-130	-		
Acrolein	73		-		70-130	-		
Acetone	96		-		70-130	-		
Acetonitrile	81		-		70-130	-		
Trichlorofluoromethane	83		-		70-130	-		
iso-Propyl Alcohol	79		-		70-130	-		
Acrylonitrile	79		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: 855.002

Lab Number: L1709276

Report Date: 04/03/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG989686-3								
Pentane	83		-		70-130	-		
Ethyl ether	84		-		70-130	-		
1,1-Dichloroethene	84		-		70-130	-		
tert-Butyl Alcohol	70		-		70-130	-		
Methylene chloride	88		-		70-130	-		
3-Chloropropene	89		-		70-130	-		
Carbon disulfide	79		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		-		70-130	-		
trans-1,2-Dichloroethene	85		-		70-130	-		
1,1-Dichloroethane	90		-		70-130	-		
Methyl tert butyl ether	86		-		70-130	-		
Vinyl acetate	114		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
Ethyl Acetate	97		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	91		-		70-130	-		
2,2-Dichloropropane	79		-		70-130	-		
1,2-Dichloroethane	79		-		70-130	-		
n-Hexane	104		-		70-130	-		
Isopropyl Ether	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: 855.002

Lab Number: L1709276

Report Date: 04/03/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG989686-3								
Ethyl-Tert-Butyl-Ether	89		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
1,1-Dichloropropene	96		-		70-130	-		
Benzene	100		-		70-130	-		
Carbon tetrachloride	96		-		70-130	-		
Cyclohexane	105		-		70-130	-		
Tertiary-Amyl Methyl Ether	87		-		70-130	-		
Dibromomethane	88		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	107		-		70-130	-		
Methyl Methacrylate	112		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	103		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	100		-		70-130	-		
1,3-Dichloropropane	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: 855.002

Lab Number: L1709276

Report Date: 04/03/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG989686-3								
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	99		-		70-130	-		
1,2-Dibromoethane	95		-		70-130	-		
Butyl Acetate	88		-		70-130	-		
Octane	91		-		70-130	-		
Tetrachloroethene	94		-		70-130	-		
1,1,1,2-Tetrachloroethane	89		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	96		-		70-130	-		
Styrene	101		-		70-130	-		
1,1,2,2-Tetrachloroethane	103		-		70-130	-		
o-Xylene	103		-		70-130	-		
1,2,3-Trichloropropane	95		-		70-130	-		
Nonane (C9)	97		-		70-130	-		
Isopropylbenzene	97		-		70-130	-		
Bromobenzene	95		-		70-130	-		
o-Chlorotoluene	92		-		70-130	-		
n-Propylbenzene	94		-		70-130	-		
p-Chlorotoluene	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: 855.002

Lab Number: L1709276

Report Date: 04/03/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG989686-3								
4-Ethyltoluene	115		-		70-130	-		
1,3,5-Trimethylbenzene	103		-		70-130	-		
tert-Butylbenzene	97		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Decane (C10)	100		-		70-130	-		
Benzyl chloride	98		-		70-130	-		
1,3-Dichlorobenzene	102		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
sec-Butylbenzene	97		-		70-130	-		
p-Isopropyltoluene	91		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
n-Butylbenzene	100		-		70-130	-		
1,2-Dibromo-3-chloropropane	92		-		70-130	-		
Undecane	104		-		70-130	-		
Dodecane (C12)	99		-		70-130	-		
1,2,4-Trichlorobenzene	101		-		70-130	-		
Naphthalene	94		-		70-130	-		
1,2,3-Trichlorobenzene	91		-		70-130	-		
Hexachlorobutadiene	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: 855.002

Lab Number: L1709276

Report Date: 04/03/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG989687-3								
Propylene	108		-		70-130	-		25
Dichlorodifluoromethane	98		-		70-130	-		25
Chloromethane	89		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	89		-		70-130	-		25
Vinyl chloride	87		-		70-130	-		25
1,3-Butadiene	94		-		70-130	-		25
Bromomethane	84		-		70-130	-		25
Chloroethane	84		-		70-130	-		25
Ethyl Alcohol	84		-		70-130	-		25
Vinyl bromide	81		-		70-130	-		25
Acetone	92		-		70-130	-		25
Trichlorofluoromethane	85		-		70-130	-		25
iso-Propyl Alcohol	86		-		70-130	-		25
Acrylonitrile	83		-		70-130	-		25
1,1-Dichloroethene	86		-		70-130	-		25
tert-Butyl Alcohol[1]	76		-		70-130	-		25
Methylene chloride	90		-		70-130	-		25
3-Chloropropene	92		-		70-130	-		25
Carbon disulfide	79		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		-		70-130	-		25
Halothane	94		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: 855.002

Lab Number: L1709276

Report Date: 04/03/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG989687-3								
trans-1,2-Dichloroethene	87		-		70-130	-		25
1,1-Dichloroethane	93		-		70-130	-		25
Methyl tert butyl ether	88		-		70-130	-		25
Vinyl acetate	108		-		70-130	-		25
2-Butanone	96		-		70-130	-		25
cis-1,2-Dichloroethene	94		-		70-130	-		25
Ethyl Acetate	99		-		70-130	-		25
Chloroform	92		-		70-130	-		25
Tetrahydrofuran	97		-		70-130	-		25
1,2-Dichloroethane	88		-		70-130	-		25
n-Hexane	100		-		70-130	-		25
1,1,1-Trichloroethane	93		-		70-130	-		25
Benzene	97		-		70-130	-		25
Carbon tetrachloride	94		-		70-130	-		25
Cyclohexane	104		-		70-130	-		25
Dibromomethane[1]	78		-		70-130	-		25
1,2-Dichloropropane	99		-		70-130	-		25
Bromodichloromethane	94		-		70-130	-		25
1,4-Dioxane	100		-		70-130	-		25
Trichloroethene	92		-		70-130	-		25
2,2,4-Trimethylpentane	106		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG989687-3								
cis-1,3-Dichloropropene	99		-		70-130	-		25
4-Methyl-2-pentanone	100		-		70-130	-		25
trans-1,3-Dichloropropene	81		-		70-130	-		25
1,1,2-Trichloroethane	99		-		70-130	-		25
Toluene	101		-		70-130	-		25
2-Hexanone	98		-		70-130	-		25
Dibromochloromethane	99		-		70-130	-		25
1,2-Dibromoethane	99		-		70-130	-		25
Tetrachloroethene	94		-		70-130	-		25
1,1,1,2-Tetrachloroethane	89		-		70-130	-		25
Chlorobenzene	101		-		70-130	-		25
Ethylbenzene	100		-		70-130	-		25
p/m-Xylene	100		-		70-130	-		25
Bromoform	93		-		70-130	-		25
Styrene	101		-		70-130	-		25
1,1,2,2-Tetrachloroethane	104		-		70-130	-		25
o-Xylene	100		-		70-130	-		25
1,2,3-Trichloropropane[1]	97		-		70-130	-		25
Isopropylbenzene	98		-		70-130	-		25
Bromobenzene[1]	96		-		70-130	-		25
4-Ethyltoluene	106		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG989687-3								
1,3,5-Trimethylbenzene	100		-		70-130	-		25
1,2,4-Trimethylbenzene	106		-		70-130	-		25
Benzyl chloride	96		-		70-130	-		25
1,3-Dichlorobenzene	105		-		70-130	-		25
1,4-Dichlorobenzene	103		-		70-130	-		25
sec-Butylbenzene	96		-		70-130	-		25
p-Isopropyltoluene	90		-		70-130	-		25
1,2-Dichlorobenzene	104		-		70-130	-		25
n-Butylbenzene	100		-		70-130	-		25
1,2,4-Trichlorobenzene	107		-		70-130	-		25
Naphthalene	95		-		70-130	-		25
1,2,3-Trichlorobenzene	99		-		70-130	-		25
Hexachlorobutadiene	104		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG989686-5 QC Sample: L1709276-02 Client ID: SS1						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	29.7	29.4	ppbV	1		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	6.24	5.87	ppbV	6		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG989686-5 QC Sample: L1709276-02 Client ID: SS1						
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	6.06	6.14	ppbV	1		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	2.35	2.19	ppbV	7		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	41.1	42.7	ppbV	4		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG989686-5 QC Sample: L1709276-02 Client ID: SS1						
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	2.23	2.33	ppbV	4		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	20.1	19.7	ppbV	2		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG989686-5 QC Sample: L1709276-02 Client ID: SS1						
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG989687-5 QC Sample: L1700003-106 Client ID: DUP Sample						
Vinyl chloride	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Acetone	5.40	5.33	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	0.559	0.562	ppbV	1		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.785	0.793	ppbV	1		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	0.028	0.028	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.488	0.497	ppbV	2		25
Carbon tetrachloride	0.048	0.048	ppbV	0		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	0.036	0.037	ppbV	3		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG989687-5 QC Sample: L1700003-106 Client ID: DUP Sample						
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	2.25	2.30	ppbV	2		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	0.419	0.429	ppbV	2		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.270	0.276	ppbV	2		25
p/m-Xylene	0.917	0.929	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.036	0.037	ppbV	3		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.309	0.318	ppbV	3		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG989687-5 QC Sample: L1700003-106 Client ID: DUP Sample						
Naphthalene	0.156	0.180	ppbV	14		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: RITE AID

Project Number: 855.002

Lab Number: L1709276

Report Date: 04/03/17

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1709276-01	OUTDOOR	0789	Flow 4	03/24/17	238667		-	-	-	Pass	4.5	4.8	6
L1709276-01	OUTDOOR	2230	2.7L Can	03/24/17	238667	L1708551-02	Pass	-29.7	0	-	-	-	-
L1709276-02	SS1	0948	Flow 5	03/24/17	238667		-	-	-	Pass	4.3	4.6	7
L1709276-02	SS1	2358	2.7L CAN	03/24/17	238667	L1708551-02	Pass	-29.2	-2.3	-	-	-	-
L1709276-03	IA1	0546	Flow 4	03/24/17	238667		-	-	-	Pass	4.3	4.6	7
L1709276-03	IA1	2277	2.7L Can	03/24/17	238667	L1708551-02	Pass	-29.6	0	-	-	-	-
L1709276-04	SS2	0949	Flow 4	03/24/17	238667		-	-	-	Pass	4.5	4.8	6
L1709276-04	SS2	2346	2.7L CAN	03/24/17	238667	L1708551-02	Pass	-29.6	-0.8	-	-	-	-
L1709276-05	IA2	0733	Flow 2	03/24/17	238667		-	-	-	Pass	4.2	5.0	17
L1709276-05	IA2	2071	2.7L Can	03/24/17	238667	L1708551-02	Pass	-29.9	-0.5	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1708551
Report Date: 04/03/17

Air Canister Certification Results

Lab ID: L1708551-02
Client ID: CAN 467 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/22/17 16:00
Analyst: MB

Date Collected: 03/21/17 16:00
Date Received: 03/22/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1708551
Report Date: 04/03/17

Air Canister Certification Results

Lab ID: L1708551-02
Client ID: CAN 467 SHELF 7
Sample Location:
Date Collected: 03/21/17 16:00
Date Received: 03/22/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1708551
Report Date: 04/03/17

Air Canister Certification Results

Lab ID: L1708551-02
Client ID: CAN 467 SHELF 7
Sample Location:
Date Collected: 03/21/17 16:00
Date Received: 03/22/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1708551
Report Date: 04/03/17

Air Canister Certification Results

Lab ID: L1708551-02
Client ID: CAN 467 SHELF 7
Sample Location:
Date Collected: 03/21/17 16:00
Date Received: 03/22/17
Field Prep: Not Specified

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1708551
Report Date: 04/03/17

Air Canister Certification Results

Lab ID: L1708551-02
Client ID: CAN 467 SHELF 7
Sample Location:
Date Collected: 03/21/17 16:00
Date Received: 03/22/17
Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1708551
Report Date: 04/03/17

Air Canister Certification Results

Lab ID: L1708551-02
Client ID: CAN 467 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/22/17 16:00
Analyst: MB

Date Collected: 03/21/17 16:00
Date Received: 03/22/17
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1708551
Report Date: 04/03/17

Air Canister Certification Results

Lab ID: L1708551-02
Client ID: CAN 467 SHELF 7
Sample Location:
Date Collected: 03/21/17 16:00
Date Received: 03/22/17
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1708551
Report Date: 04/03/17

Air Canister Certification Results

Lab ID: L1708551-02
Client ID: CAN 467 SHELF 7
Sample Location:
Date Collected: 03/21/17 16:00
Date Received: 03/22/17
Field Prep: Not Specified

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

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	95		60-140

Project Name: RITE AID
Project Number: 855.002

Lab Number: L1709276
Report Date: 04/03/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1709276-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30),TO15-SIM(30)
L1709276-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1709276-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30),TO15-SIM(30)
L1709276-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1709276-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	RITE AID	**Lab Number:**	L1709276
Project Number:	855.002	**Report Date:**	04/03/17

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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

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

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: Data Usability Report

Project Name:	RITE AID	**Lab Number:**	L1709276
Project Number:	855.002	**Report Date:**	04/03/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

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.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	RITE AID	**Lab Number:**	L1709276
Project Number:	855.002	**Report Date:**	04/03/17

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

AIR ANALYSIS

ALPHA ANALYTICAL — CHAIN OF CUSTODY

PAGE 1 OF 1

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/28/17

ALPHA Job #: L1709276

Client Information

Client: LEADER PROF. SVCS
Address: 271 MARSH RD.
Pittsford, NY 14534
Phone: 585-248-2413
Fax:
Email: pvonschondorf@leaderlink

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Rite Aid
Project Location: 350 Niagara Buffalo
Project #: 855.002
Project Manager: Pete vonSchondorf
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: NYSDEC EDD
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
09276.01	Outdoor	3-27-17	19:35	3:45	31.33	0	AA	PVS	2.7	2230	0789	✓					
.02	SS 1	"	20:12	5:35	28.7	1.7	SV	PVS	2.7	2358	0948	✓					
.03	IA 1	"	19:50	3:55	29.3	0	AA	PVS	2.7	2271	0544	✓					
.04	SS 2	"	20:30	5:35	29.20	0.1	SV	PVS	2.7	2346	0949	✓					
.05	IA 2	"	19:51	3:51	29.9	0	AA	PVS	2.7	2071	0733	✓					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

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.

Relinquished By:	Date/Time	Received By:	Date/Time:
Pete vonSchondorf	3-27-17 19:07	Jocelyn Riley (AAL)	3/27/17 9:07
Jocelyn Riley	3/27/17 9:07		3/28/17
	3/28/17 09:20		3/28/17 0920

Form No: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L1709552
Client:	Leader Professional Services, Inc. 271 Marsh Road, Suite 2 Pittsford, NY 14534
ATTN:	Peter Von Schondorf
Phone:	(585) 248-2413
Project Name:	RITE-AID - BUFFALO
Project Number:	055.002
Report Date:	04/04/17

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1709552-01	SB-10 (6-8) 032717	SOIL	350 NIAGARA ST. BUFFALO, NY	03/27/17 10:17	03/29/17
L1709552-02	SB-10 (10-12) 032717	SOIL	350 NIAGARA ST. BUFFALO, NY	03/27/17 10:40	03/29/17
L1709552-03	SB-11 (6-8) 032717	SOIL	350 NIAGARA ST. BUFFALO, NY	03/27/17 14:00	03/29/17
L1709552-04	SB-11 (6-8) 032717 DUP	SOIL	350 NIAGARA ST. BUFFALO, NY	03/27/17 14:00	03/29/17
L1709552-05	SB-12 (10-12) 032717	SOIL	350 NIAGARA ST. BUFFALO, NY	03/27/17 15:50	03/29/17
L1709552-06	SB-13 (4-6) 032817	SOIL	350 NIAGARA ST. BUFFALO, NY	03/28/17 11:30	03/29/17
L1709552-07	SB-14 (4-6) 032917	SOIL	350 NIAGARA ST. BUFFALO, NY	03/29/17 09:43	03/29/17
L1709552-08	EQUIPMENT BLANK	WATER	350 NIAGARA ST. BUFFALO, NY	03/28/17 10:35	03/29/17
L1709552-09	TRIP BLANK	WATER	350 NIAGARA ST. BUFFALO, NY	03/29/17 00:00	03/29/17

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC 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. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

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

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

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

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.

Metals

L1709552-01 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG989532-3/-4 MS/MSD recoveries for aluminum (524%/1040%), calcium (210%/623%), iron (2100%/2080%), magnesium (MSD 311%), and manganese (MSD 166%), performed on L1709552-05, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG989532-3/-4 MS/MSD recoveries, performed on L1709552-05, are outside the acceptance criteria for antimony (MS 73%) and thallium (72%/74%). A post digestion spike was performed and yielded an unacceptable recovery for thallium (76%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG989819-3/-4 MS/MSD recoveries, performed on L1709552-05, are outside the acceptance criteria for mercury (124%/127%). A post digestion spike was performed and was within acceptance criteria.

Cyanide, Total

L1709552-01 and -07: The sample has an elevated detection limit due to the dilution required by the sample matrix.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 04/04/17

ORGANICS

VOLATILES

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01
Client ID: SB-10 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/02/17 10:06
Analyst: TE
Percent Solids: 84%

Date Collected: 03/27/17 10:17
Date Received: 03/29/17
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	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.36	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.40	1
Bromodichloromethane	ND		ug/kg	1.1	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.7	0.50	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.28	1
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.21	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01 Date Collected: 03/27/17 10:17

Client ID: SB-10 (6-8) 032717 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.17	1
p/m-Xylene	ND		ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.39	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.57	1
Acetone	ND		ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.41	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.24	1
Methyl Acetate	ND		ug/kg	23	0.53	1
Cyclohexane	ND		ug/kg	23	0.49	1
1,4-Dioxane	ND		ug/kg	46	16.	1
Freon-113	ND		ug/kg	23	0.59	1
Methyl cyclohexane	ND		ug/kg	4.6	0.27	1

Tentatively Identified Compounds				
Total TIC Compounds	13.9	J	ug/kg	1
Unknown	5.25	J	ug/kg	1
Unknown	4.38	J	ug/kg	1
Unknown	4.27	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-02
Client ID: SB-10 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/02/17 10:32
Analyst: TE
Percent Solids: 84%

Date Collected: 03/27/17 10:40
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.28	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.36	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.0	0.32	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.37	1
Bromodichloromethane	ND		ug/kg	1.0	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.31	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.18	1
Chloromethane	ND		ug/kg	5.2	0.46	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.33	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
Trichloroethene	ND		ug/kg	1.0	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.19	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-02 Date Collected: 03/27/17 10:40

Client ID: SB-10 (10-12) 032717 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.37	1
o-Xylene	ND		ug/kg	2.1	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.36	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.52	1
Acetone	ND		ug/kg	10	2.4	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.72	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.42	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.22	1
Methyl Acetate	ND		ug/kg	21	0.48	1
Cyclohexane	ND		ug/kg	21	0.45	1
1,4-Dioxane	ND		ug/kg	42	15.	1
Freon-113	ND		ug/kg	21	0.54	1
Methyl cyclohexane	ND		ug/kg	4.2	0.25	1
Tentatively Identified Compounds						
Total TIC Compounds	3.49	J	ug/kg			1
Unknown	3.49	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-03
Client ID: SB-11 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/02/17 10:59
Analyst: TE
Percent Solids: 81%

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.27	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.35	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.30	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35	1
Bromodichloromethane	ND		ug/kg	1.0	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.17	1
Chloromethane	ND		ug/kg	5.1	0.44	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.32	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24	1
Trichloroethene	ND		ug/kg	1.0	0.30	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.18	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-03 Date Collected: 03/27/17 14:00

Client ID: SB-11 (6-8) 032717 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.16	1
p/m-Xylene	ND		ug/kg	2.0	0.36	1
o-Xylene	ND		ug/kg	2.0	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.35	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.51	1
Acetone	ND		ug/kg	10	2.3	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.70	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
2-Hexanone	ND		ug/kg	10	0.67	1
Bromochloromethane	ND		ug/kg	5.1	0.36	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.22	1
Methyl Acetate	ND		ug/kg	20	0.47	1
Cyclohexane	ND		ug/kg	20	0.44	1
1,4-Dioxane	ND		ug/kg	40	14.	1
Freon-113	ND		ug/kg	20	0.52	1
Methyl cyclohexane	ND		ug/kg	4.0	0.24	1
Tentatively Identified Compounds						
Total TIC Compounds	3.19	J	ug/kg			1
Unknown	3.19	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04
Client ID: SB-11 (6-8) 032717 DUP
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/02/17 11:25
Analyst: TE
Percent Solids: 82%

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
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	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.30	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.39	1
Bromodichloromethane	ND		ug/kg	1.1	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.33	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.6	0.49	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.35	1
Chloroethane	ND		ug/kg	2.2	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.20	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04 Date Collected: 03/27/17 14:00

Client ID: SB-11 (6-8) 032717 DUP Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.39	1
o-Xylene	ND		ug/kg	2.2	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.38	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.56	1
Acetone	ND		ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.75	1
Bromochloromethane	ND		ug/kg	5.6	0.40	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.24	1
Methyl Acetate	ND		ug/kg	22	0.52	1
Cyclohexane	ND		ug/kg	22	0.49	1
1,4-Dioxane	ND		ug/kg	45	16.	1
Freon-113	ND		ug/kg	22	0.58	1
Methyl cyclohexane	ND		ug/kg	4.5	0.27	1

Tentatively Identified Compounds				
Total TIC Compounds	3.35	J	ug/kg	1
Unknown	3.35	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-05
Client ID: SB-12 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/02/17 17:43
Analyst: JC
Percent Solids: 82%

Date Collected: 03/27/17 15:50
Date Received: 03/29/17
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	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.36	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.40	1
Bromodichloromethane	ND		ug/kg	1.1	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.7	0.49	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.21	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-05 Date Collected: 03/27/17 15:50

Client ID: SB-12 (10-12) 032717 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.17	1
p/m-Xylene	ND		ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.39	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.57	1
Acetone	ND		ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.40	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.24	1
Methyl Acetate	ND		ug/kg	23	0.52	1
Cyclohexane	ND		ug/kg	23	0.49	1
1,4-Dioxane	ND		ug/kg	45	16.	1
Freon-113	ND		ug/kg	23	0.58	1
Methyl cyclohexane	ND		ug/kg	4.5	0.27	1
Tentatively Identified Compounds						
Total TIC Compounds	2.75	J	ug/kg			1
Unknown	2.75	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-06
Client ID: SB-13 (4-6) 032817
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/02/17 11:51
Analyst: TE
Percent Solids: 83%

Date Collected: 03/28/17 11:30
Date Received: 03/29/17
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	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.30	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.38	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.38	1
Bromodichloromethane	ND		ug/kg	1.1	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.25	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.32	1
Benzene	ND		ug/kg	1.1	0.21	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.18	1
Chloromethane	ND		ug/kg	5.5	0.48	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.34	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1
Trichloroethene	ND		ug/kg	1.1	0.33	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.20	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-06 Date Collected: 03/28/17 11:30

Client ID: SB-13 (4-6) 032817 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.38	1
o-Xylene	ND		ug/kg	2.2	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.37	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.55	1
Acetone	ND		ug/kg	11	2.5	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.75	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.73	1
Bromochloromethane	ND		ug/kg	5.5	0.39	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.43	1
Isopropylbenzene	ND		ug/kg	1.1	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.23	1
Methyl Acetate	ND		ug/kg	22	0.50	1
Cyclohexane	ND		ug/kg	22	0.47	1
1,4-Dioxane	ND		ug/kg	44	16.	1
Freon-113	ND		ug/kg	22	0.56	1
Methyl cyclohexane	ND		ug/kg	4.4	0.26	1

Tentatively Identified Compounds				
Total TIC Compounds	10.7	J	ug/kg	1
Unknown	2.33	J	ug/kg	1
Unknown	2.72	J	ug/kg	1
Unknown	3.28	J	ug/kg	1
Unknown	2.33	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-07
Client ID: SB-14 (4-6) 032917
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/02/17 12:17
Analyst: TE
Percent Solids: 84%

Date Collected: 03/29/17 09:43
Date Received: 03/29/17
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	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.32	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.40	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.35	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.41	1
Bromodichloromethane	ND		ug/kg	1.2	0.36	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.27	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.35	1
Benzene	ND		ug/kg	1.2	0.23	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.20	1
Chloromethane	ND		ug/kg	5.9	0.51	1
Bromomethane	ND		ug/kg	2.3	0.40	1
Vinyl chloride	ND		ug/kg	2.3	0.37	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.28	1
Trichloroethene	ND		ug/kg	1.2	0.35	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.21	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-07 Date Collected: 03/29/17 09:43

Client ID: SB-14 (4-6) 032917 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.18	1
p/m-Xylene	ND		ug/kg	2.3	0.41	1
o-Xylene	ND		ug/kg	2.3	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.40	1
Styrene	ND		ug/kg	2.3	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.59	1
Acetone	ND		ug/kg	12	2.7	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.81	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
2-Hexanone	ND		ug/kg	12	0.78	1
Bromochloromethane	ND		ug/kg	5.9	0.42	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.46	1
Isopropylbenzene	ND		ug/kg	1.2	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.25	1
Methyl Acetate	ND		ug/kg	23	0.54	1
Cyclohexane	ND		ug/kg	23	0.51	1
1,4-Dioxane	ND		ug/kg	47	17.	1
Freon-113	ND		ug/kg	23	0.60	1
Methyl cyclohexane	ND		ug/kg	4.7	0.28	1

Tentatively Identified Compounds				
Total TIC Compounds	5.80	J	ug/kg	1
Unknown	3.15	J	ug/kg	1
Unknown	2.65	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08
Client ID: EQUIPMENT BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/31/17 13:24
Analyst: NL

Date Collected: 03/28/17 10:35
Date Received: 03/29/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08
Client ID: EQUIPMENT BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/28/17 10:35
Date Received: 03/29/17
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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	103		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-09
Client ID: TRIP BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/31/17 13:57
Analyst: NL

Date Collected: 03/29/17 00:00
Date Received: 03/29/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-09 Date Collected: 03/29/17 00:00

Client ID: TRIP BLANK Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	107		70-130

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/31/17 10:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG990028-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/31/17 10:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG990028-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/31/17 10:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG990028-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/17 09:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG990449-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/17 09:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG990449-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	6.4	J	ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Tentatively Identified Compounds		
No Tentatively Identified Compounds	ND	ug/kg

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/17 09:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG990449-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/17 09:40
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07 Batch: WG990464-5					
Methylene chloride	3.6	J	ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	0.41	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/17 09:40
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07 Batch: WG990464-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	9.7	J	ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Tentatively Identified Compounds			
Total TIC Compounds	7.03	J	ug/kg
Unknown	2.31	J	ug/kg

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/17 09:40
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07 Batch: WG990464-5					
Tentatively Identified Compounds					
Unknown	4.72	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG990028-3 WG990028-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	97		100		70-130	3		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	120		130		62-150	8		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	99		100		70-130	1		20
cis-1,3-Dichloropropene	98		100		70-130	2		20
Bromoform	110		110		54-136	0		20
1,1,2,2-Tetrachloroethane	96		98		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		110		70-130	10		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	**140**	Q	**160**	Q	64-130	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG990028-3 WG990028-4								
Bromomethane	**180**	Q	**180**	Q	39-139	0		20
Vinyl chloride	130		140		55-140	7		20
Chloroethane	**140**	Q	**140**	Q	55-138	0		20
1,1-Dichloroethene	110		120		61-145	9		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	96		97		63-130	1		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	100		110		70-130	10		20
Dichlorodifluoromethane	140		**150**	Q	36-147	7		20
Acetone	86		91		58-148	6		20
Carbon disulfide	92		100		51-130	8		20
2-Butanone	82		80		63-138	2		20
4-Methyl-2-pentanone	77		80		59-130	4		20
2-Hexanone	74		71		57-130	4		20
Bromochloromethane	120		120		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG990028-3 WG990028-4								
1,2-Dibromoethane	99		97		70-130	2		20
1,2-Dibromo-3-chloropropane	70		72		41-144	3		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	**65**	Q	**69**	Q	70-130	6		20
1,2,4-Trichlorobenzene	79		81		70-130	3		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	84		96		56-162	13		20
Freon-113	120		120		70-130	0		20
Methyl cyclohexane	100		110		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

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: WG990449-3 WG990449-4								
Methylene chloride	93		93		70-130	0		30
1,1-Dichloroethane	96		97		70-130	1		30
Chloroform	96		97		70-130	1		30
Carbon tetrachloride	94		94		70-130	0		30
1,2-Dichloropropane	100		99		70-130	1		30
Dibromochloromethane	100		100		70-130	0		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	93		94		70-130	1		30
Chlorobenzene	94		94		70-130	0		30
Trichlorofluoromethane	106		105		70-139	1		30
1,2-Dichloroethane	106		104		70-130	2		30
1,1,1-Trichloroethane	96		97		70-130	1		30
Bromodichloromethane	97		99		70-130	2		30
trans-1,3-Dichloropropene	102		100		70-130	2		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
Bromoform	103		102		70-130	1		30
1,1,2,2-Tetrachloroethane	108		105		70-130	3		30
Benzene	93		94		70-130	1		30
Toluene	90		91		70-130	1		30
Ethylbenzene	92		94		70-130	2		30
Chloromethane	110		105		52-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

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: WG990449-3 WG990449-4								
Bromomethane	97		94		57-147	3		30
Vinyl chloride	99		98		67-130	1		30
Chloroethane	94		94		50-151	0		30
1,1-Dichloroethene	73		102		65-135	**33**	Q	30
trans-1,2-Dichloroethene	93		93		70-130	0		30
Trichloroethene	93		94		70-130	1		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	104		104		66-130	0		30
p/m-Xylene	94		97		70-130	3		30
o-Xylene	96		98		70-130	2		30
cis-1,2-Dichloroethene	95		96		70-130	1		30
Styrene	98		99		70-130	1		30
Dichlorodifluoromethane	112		112		30-146	0		30
Acetone	131		122		54-140	7		30
Carbon disulfide	**51**	Q	77		59-130	**41**	Q	30
2-Butanone	119		113		70-130	5		30
4-Methyl-2-pentanone	107		97		70-130	10		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	103		102		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

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: WG990449-3 WG990449-4								
1,2-Dibromoethane	104		103		70-130	1		30
1,2-Dibromo-3-chloropropane	105		100		68-130	5		30
Isopropylbenzene	93		94		70-130	1		30
1,2,3-Trichlorobenzene	100		99		70-130	1		30
1,2,4-Trichlorobenzene	99		98		70-130	1		30
Methyl Acetate	121		115		51-146	5		30
Cyclohexane	109		112		59-142	3		30
1,4-Dioxane	111		112		65-136	1		30
Freon-113	82		111		50-139	30		30
Methyl cyclohexane	104		106		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		108		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	103		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG990464-3 WG990464-4								
Methylene chloride	106		104		70-130	2		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	106		106		70-130	0		30
Carbon tetrachloride	106		106		70-130	0		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	117		115		70-130	2		30
1,1,2-Trichloroethane	109		109		70-130	0		30
Tetrachloroethene	106		105		70-130	1		30
Chlorobenzene	105		104		70-130	1		30
Trichlorofluoromethane	85		83		70-139	2		30
1,2-Dichloroethane	104		103		70-130	1		30
1,1,1-Trichloroethane	110		110		70-130	0		30
Bromodichloromethane	109		111		70-130	2		30
trans-1,3-Dichloropropene	118		115		70-130	3		30
cis-1,3-Dichloropropene	111		112		70-130	1		30
Bromoform	105		105		70-130	0		30
1,1,2,2-Tetrachloroethane	109		109		70-130	0		30
Benzene	105		104		70-130	1		30
Toluene	106		103		70-130	3		30
Ethylbenzene	102		101		70-130	1		30
Chloromethane	113		109		52-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG990464-3 WG990464-4								
Bromomethane	85		84		57-147	1		30
Vinyl chloride	91		90		67-130	1		30
Chloroethane	82		82		50-151	0		30
1,1-Dichloroethene	108		106		65-135	2		30
trans-1,2-Dichloroethene	108		106		70-130	2		30
Trichloroethene	104		103		70-130	1		30
1,2-Dichlorobenzene	104		103		70-130	1		30
1,3-Dichlorobenzene	103		102		70-130	1		30
1,4-Dichlorobenzene	103		102		70-130	1		30
Methyl tert butyl ether	112		111		66-130	1		30
p/m-Xylene	103		102		70-130	1		30
o-Xylene	104		101		70-130	3		30
cis-1,2-Dichloroethene	105		105		70-130	0		30
Styrene	102		101		70-130	1		30
Dichlorodifluoromethane	99		98		30-146	1		30
Acetone	109		106		54-140	3		30
Carbon disulfide	88		88		59-130	0		30
2-Butanone	112		114		70-130	2		30
4-Methyl-2-pentanone	110		108		70-130	2		30
2-Hexanone	104		104		70-130	0		30
Bromochloromethane	106		106		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG990464-3 WG990464-4								
1,2-Dibromoethane	110		108		70-130	2		30
1,2-Dibromo-3-chloropropane	108		111		68-130	3		30
Isopropylbenzene	102		101		70-130	1		30
1,2,3-Trichlorobenzene	107		105		70-130	2		30
1,2,4-Trichlorobenzene	106		104		70-130	2		30
Methyl Acetate	116		118		51-146	2		30
Cyclohexane	111		110		59-142	1		30
1,4-Dioxane	110		116		65-136	5		30
Freon-113	109		108		50-139	1		30
Methyl cyclohexane	104		105		70-130	1		30

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

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab (10-12) 032717	Associated sample(s): 05	QC Batch ID: WG990449-6	WG990449-7	QC Sample: L1709552-05	Client ID: SB-12							
Methylene chloride	ND	22.3	19	83		19	79		70-130	5		30
1,1-Dichloroethane	ND	22.3	23	102		24	97		70-130	4		30
Chloroform	ND	22.3	23	101		22	89		70-130	3		30
Carbon tetrachloride	ND	22.3	23	104		25	102		70-130	7		30
1,2-Dichloropropane	ND	22.3	23	102		23	93		70-130	0		30
Dibromochloromethane	ND	22.3	21	92		21	84		70-130	1		30
1,1,2-Trichloroethane	ND	22.3	22	97		21	86		70-130	3		30
Tetrachloroethene	ND	22.3	20	89		23	92		70-130	13		30
Chlorobenzene	ND	22.3	19	86		21	86		70-130	9		30
Trichlorofluoromethane	ND	22.3	24	107		27	111		70-139	13		30
1,2-Dichloroethane	ND	22.3	23	104		23	94		70-130	0		30
1,1,1-Trichloroethane	ND	22.3	24	107		25	102		70-130	5		30
Bromodichloromethane	ND	22.3	22	99		22	91		70-130	1		30
trans-1,3-Dichloropropene	ND	22.3	20	88		20	82		70-130	2		30
cis-1,3-Dichloropropene	ND	22.3	20	91		21	84		70-130	1		30
Bromoform	ND	22.3	19	85		20	80		70-130	3		30
1,1,2,2-Tetrachloroethane	ND	22.3	19	87		19	78		70-130	2		30
Benzene	ND	22.3	22	96		23	93		70-130	6		30
Toluene	ND	22.3	20	88		22	88		70-130	10		30
Ethylbenzene	ND	22.3	19	85		22	88		70-130	13		30
Chloromethane	ND	22.3	26	117		28	113		52-130	7		30

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 (10-12) 032717	QC Batch ID: WG990449-6	WG990449-7	QC Sample: L1709552-05	Client ID: SB-12								
Bromomethane	ND	22.3	22	100		23	93		57-147	2		30
Vinyl chloride	ND	22.3	24	109		27	108		67-130	9		30
Chloroethane	ND	22.3	22	99		24	97		50-151	7		30
1,1-Dichloroethene	ND	22.3	21	94		20	80		65-135	7		30
trans-1,2-Dichloroethene	ND	22.3	21	95		23	94		70-130	8		30
Trichloroethene	ND	22.3	23	103		25	101		70-130	7		30
1,2-Dichlorobenzene	ND	22.3	16	73		19	76		70-130	13		30
1,3-Dichlorobenzene	ND	22.3	16	70		18	75		70-130	17		30
1,4-Dichlorobenzene	ND	22.3	15	**69**	Q	18	75		70-130	18		30
Methyl tert butyl ether	ND	22.3	21	94		21	84		66-130	2		30
p/m-Xylene	ND	44.6	39	86		44	90		70-130	14		30
o-Xylene	ND	44.6	39	88		43	88		70-130	10		30
cis-1,2-Dichloroethene	ND	22.3	21	94		22	89		70-130	4		30
Styrene	ND	44.6	39	88		43	87		70-130	9		30
Dichlorodifluoromethane	ND	22.3	28	126		31	127		30-146	11		30
Acetone	ND	22.3	31	140		30	121		54-140	5		30
Carbon disulfide	ND	22.3	17	76		17	70		59-130	1		30
2-Butanone	ND	22.3	24	108		22	91		70-130	8		30
4-Methyl-2-pentanone	ND	22.3	19	86		18	72		70-130	8		30
2-Hexanone	ND	22.3	19	86		18	72		70-130	8		30
Bromochloromethane	ND	22.3	22	99		22	89		70-130	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 (10-12) 032717	QC Batch ID: WG990449-6	WG990449-7	QC Sample: L1709552-05	Client ID: SB-12								
1,2-Dibromoethane	ND	22.3	21	92		20	82		70-130	2		30
1,2-Dibromo-3-chloropropane	ND	22.3	18	82		18	73		68-130	2		30
Isopropylbenzene	ND	22.3	17	77		21	87		70-130	22		30
1,2,3-Trichlorobenzene	ND	22.3	14	**62**	Q	16	**64**	Q	70-130	14		30
1,2,4-Trichlorobenzene	ND	22.3	13	**58**	Q	15	**62**	Q	70-130	16		30
Methyl Acetate	ND	22.3	24	108		22.J	89		51-146	10		30
Cyclohexane	ND	22.3	27	123		30	122		59-142	9		30
1,4-Dioxane	ND	1110	1100	102		1000	83		65-136	11		30
Freon-113	ND	22.3	26	116		27	110		50-139	5		30
Methyl cyclohexane	ND	22.3	25	110		28	115		70-130	14		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		113		70-130
4-Bromofluorobenzene	96		101		70-130
Dibromofluoromethane	104		104		70-130
Toluene-d8	97		98		70-130

SEMIVOLATILES

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01
Client ID: SB-10 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/31/17 17:05
Analyst: ALS
Percent Solids: 84%

Date Collected: 03/27/17 10:17
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01 Date Collected: 03/27/17 10:17

Client ID: SB-10 (6-8) 032717 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	450	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	53.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01
Client ID: SB-10 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/27/17 10:17
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	60		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-02
Client ID: SB-10 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/02/17 00:23
Analyst: SZ
Percent Solids: 84%

Date Collected: 03/27/17 10:40
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-02 Date Collected: 03/27/17 10:40

Client ID: SB-10 (10-12) 032717 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	68.	1
Benzaldehyde	ND		ug/kg	250	52.	1
Caprolactam	ND		ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-02
Client ID: SB-10 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/27/17 10:40
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	55		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-03
Client ID: SB-11 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/31/17 18:34
Analyst: ALS
Percent Solids: 81%

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-03 Date Collected: 03/27/17 14:00

Client ID: SB-11 (6-8) 032717 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1
Caprolactam	ND		ug/kg	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-03
Client ID: SB-11 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	61		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04
Client ID: SB-11 (6-8) 032717 DUP
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/31/17 19:00
Analyst: ALS
Percent Solids: 82%

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04 Date Collected: 03/27/17 14:00

Client ID: SB-11 (6-8) 032717 DUP Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04
Client ID: SB-11 (6-8) 032717 DUP
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	63		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-05
Client ID: SB-12 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/31/17 16:39
Analyst: ALS
Percent Solids: 82%

Date Collected: 03/27/17 15:50
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-05 Date Collected: 03/27/17 15:50

Client ID: SB-12 (10-12) 032717 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	54.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-05
Client ID: SB-12 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/27/17 15:50
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	56		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-06
Client ID: SB-13 (4-6) 032817
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/31/17 19:26
Analyst: ALS
Percent Solids: 83%

Date Collected: 03/28/17 11:30
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-06 Date Collected: 03/28/17 11:30

Client ID: SB-13 (4-6) 032817 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	53.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-06
Client ID: SB-13 (4-6) 032817
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/28/17 11:30
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	58		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-07
Client ID: SB-14 (4-6) 032917
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/31/17 19:51
Analyst: ALS
Percent Solids: 84%

Date Collected: 03/29/17 09:43
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-07 Date Collected: 03/29/17 09:43

Client ID: SB-14 (4-6) 032917 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	29.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	ND		ug/kg	260	53.	1
Caprolactam	ND		ug/kg	200	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	39.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-07
Client ID: SB-14 (4-6) 032917
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/29/17 09:43
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	52		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08
Client ID: EQUIPMENT BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/03/17 01:12
Analyst: RC

Date Collected: 03/28/17 10:35
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/31/17 03:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.59	1
Hexachlorobenzene	ND		ug/l	2.0	0.58	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
2-Chloronaphthalene	ND		ug/l	2.0	0.64	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
Fluoranthene	ND		ug/l	2.0	0.57	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorobutadiene	ND		ug/l	2.0	0.72	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Hexachloroethane	ND		ug/l	2.0	0.68	1
Isophorone	ND		ug/l	5.0	0.60	1
Naphthalene	ND		ug/l	2.0	0.68	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Benzo(a)anthracene	ND		ug/l	2.0	0.61	1
Benzo(a)pyrene	ND		ug/l	2.0	0.54	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709552

Project Number: 055.002 **Report Date:** 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08 Date Collected: 03/28/17 10:35

Client ID: EQUIPMENT BLANK Date Received: 03/29/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	2.0	0.54	1
Acenaphthylene	ND		ug/l	2.0	0.66	1
Anthracene	ND		ug/l	2.0	0.64	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.61	1
Fluorene	ND		ug/l	2.0	0.62	1
Phenanthrene	ND		ug/l	2.0	0.61	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71	1
Pyrene	ND		ug/l	2.0	0.57	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
2-Methylnaphthalene	ND		ug/l	2.0	0.72	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Pentachlorophenol	ND		ug/l	10	3.4	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08
Client ID: EQUIPMENT BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/28/17 10:35
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	66		41-149

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/30/17 23:09
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG989458-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/30/17 23:09
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG989458-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/30/17 23:09
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG989458-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	78		18-120

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/31/17 11:52
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 03/31/17 03:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG989826-1					
Acenaphthene	ND		ug/l	2.0	0.59
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/31/17 11:52
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 03/31/17 03:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG989826-1					
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/31/17 11:52
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 03/31/17 03:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG989826-1					
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	92		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG989458-2 WG989458-3								
Acenaphthene	70		71		31-137	1		50
Hexachlorobenzene	71		77		40-140	8		50
Bis(2-chloroethyl)ether	71		62		40-140	14		50
2-Chloronaphthalene	73		72		40-140	1		50
3,3'-Dichlorobenzidine	42		46		40-140	9		50
2,4-Dinitrotoluene	73		80		40-132	9		50
2,6-Dinitrotoluene	73		78		40-140	7		50
Fluoranthene	73		80		40-140	9		50
4-Chlorophenyl phenyl ether	71		71		40-140	0		50
4-Bromophenyl phenyl ether	73		75		40-140	3		50
Bis(2-chloroisopropyl)ether	73		64		40-140	13		50
Bis(2-chloroethoxy)methane	75		72		40-117	4		50
Hexachlorobutadiene	67		60		40-140	11		50
Hexachlorocyclopentadiene	71		67		40-140	6		50
Hexachloroethane	66		58		40-140	13		50
Isophorone	74		73		40-140	1		50
Naphthalene	68		64		40-140	6		50
Nitrobenzene	75		72		40-140	4		50
NDPA/DPA	73		77		36-157	5		50
n-Nitrosodi-n-propylamine	72		71		32-121	1		50
Bis(2-ethylhexyl)phthalate	73		81		40-140	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG989458-2 WG989458-3								
Butyl benzyl phthalate	78		86		40-140	10		50
Di-n-butylphthalate	74		80		40-140	8		50
Di-n-octylphthalate	77		84		40-140	9		50
Diethyl phthalate	74		78		40-140	5		50
Dimethyl phthalate	75		81		40-140	8		50
Benzo(a)anthracene	67		73		40-140	9		50
Benzo(a)pyrene	72		78		40-140	8		50
Benzo(b)fluoranthene	70		76		40-140	8		50
Benzo(k)fluoranthene	68		77		40-140	12		50
Chrysene	68		72		40-140	6		50
Acenaphthylene	74		76		40-140	3		50
Anthracene	72		74		40-140	3		50
Benzo(ghi)perylene	72		80		40-140	11		50
Fluorene	72		74		40-140	3		50
Phenanthrene	72		76		40-140	5		50
Dibenzo(a,h)anthracene	72		80		40-140	11		50
Indeno(1,2,3-cd)pyrene	73		80		40-140	9		50
Pyrene	73		79		35-142	8		50
Biphenyl	76		76		54-104	0		50
4-Chloroaniline	51		47		40-140	8		50
2-Nitroaniline	78		84		47-134	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG989458-2 WG989458-3								
3-Nitroaniline	66		70		26-129	6		50
4-Nitroaniline	83		90		41-125	8		50
Dibenzofuran	72		72		40-140	0		50
2-Methylnaphthalene	70		69		40-140	1		50
1,2,4,5-Tetrachlorobenzene	74		72		40-117	3		50
Acetophenone	77		72		14-144	7		50
2,4,6-Trichlorophenol	77		81		30-130	5		50
p-Chloro-m-cresol	77		79		26-103	3		50
2-Chlorophenol	74		68		25-102	8		50
2,4-Dichlorophenol	78		77		30-130	1		50
2,4-Dimethylphenol	81		78		30-130	4		50
2-Nitrophenol	72		70		30-130	3		50
4-Nitrophenol	86		94		11-114	9		50
2,4-Dinitrophenol	60		65		4-130	8		50
4,6-Dinitro-o-cresol	76		86		10-130	12		50
Pentachlorophenol	73		80		17-109	9		50
Phenol	71		66		26-90	7		50
2-Methylphenol	75		73		30-130.	3		50
3-Methylphenol/4-Methylphenol	77		75		30-130	3		50
2,4,5-Trichlorophenol	76		80		30-130	5		50
Carbazole	73		78		54-128	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG989458-2 WG989458-3								
Atrazine	86		91		40-140	6		50
Benzaldehyde	67		60		40-140	11		50
Caprolactam	86		94		15-130	9		50
2,3,4,6-Tetrachlorophenol	74		77		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		63		25-120
Phenol-d6	76		70		10-120
Nitrobenzene-d5	75		69		23-120
2-Fluorobiphenyl	72		71		30-120
2,4,6-Tribromophenol	75		77		10-136
4-Terphenyl-d14	72		77		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG989826-2 WG989826-3								
Acenaphthene	58		66		37-111	13		30
Hexachlorobenzene	77		86		40-140	11		30
Bis(2-chloroethyl)ether	72		76		40-140	5		30
2-Chloronaphthalene	61		67		40-140	9		30
3,3'-Dichlorobenzidine	66		69		40-140	4		30
2,4-Dinitrotoluene	80		89		48-143	11		30
2,6-Dinitrotoluene	81		90		40-140	11		30
Fluoranthene	76		83		40-140	9		30
4-Chlorophenyl phenyl ether	66		73		40-140	10		30
4-Bromophenyl phenyl ether	72		80		40-140	11		30
Bis(2-chloroisopropyl)ether	56		61		40-140	9		30
Bis(2-chloroethoxy)methane	80		85		40-140	6		30
Hexachlorobutadiene	51		55		40-140	8		30
Hexachlorocyclopentadiene	**39**	Q	45		40-140	14		30
Hexachloroethane	50		54		40-140	8		30
Isophorone	77		84		40-140	9		30
Naphthalene	59		62		40-140	5		30
Nitrobenzene	79		83		40-140	5		30
NDPA/DPA	74		82		40-140	10		30
n-Nitrosodi-n-propylamine	81		87		29-132	7		30
Bis(2-ethylhexyl)phthalate	81		91		40-140	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG989826-2 WG989826-3								
Butyl benzyl phthalate	85		94		40-140	10		30
Di-n-butylphthalate	79		87		40-140	10		30
Di-n-octylphthalate	86		97		40-140	12		30
Diethyl phthalate	76		85		40-140	11		30
Dimethyl phthalate	76		83		40-140	9		30
Benzo(a)anthracene	70		78		40-140	11		30
Benzo(a)pyrene	78		86		40-140	10		30
Benzo(b)fluoranthene	78		86		40-140	10		30
Benzo(k)fluoranthene	76		86		40-140	12		30
Chrysene	72		80		40-140	11		30
Acenaphthylene	66		74		45-123	11		30
Anthracene	74		82		40-140	10		30
Benzo(ghi)perylene	76		83		40-140	9		30
Fluorene	69		76		40-140	10		30
Phenanthrene	75		82		40-140	9		30
Dibenzo(a,h)anthracene	76		83		40-140	9		30
Indeno(1,2,3-cd)pyrene	76		85		40-140	11		30
Pyrene	76		84		26-127	10		30
Biphenyl	70		78		40-140	11		30
4-Chloroaniline	68		70		40-140	3		30
2-Nitroaniline	84		93		52-143	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG989826-2 WG989826-3								
3-Nitroaniline	73		80		25-145	9		30
4-Nitroaniline	72		80		51-143	11		30
Dibenzofuran	66		74		40-140	11		30
2-Methylnaphthalene	59		64		40-140	8		30
1,2,4,5-Tetrachlorobenzene	57		62		2-134	8		30
Acetophenone	87		92		39-129	6		30
2,4,6-Trichlorophenol	76		87		30-130	13		30
p-Chloro-m-cresol	83		92		23-97	10		30
2-Chlorophenol	71		76		27-123	7		30
2,4-Dichlorophenol	76		83		30-130	9		30
2,4-Dimethylphenol	86		94		30-130	9		30
2-Nitrophenol	78		84		30-130	7		30
4-Nitrophenol	53		62		10-80	16		30
2,4-Dinitrophenol	69		82		20-130	17		30
4,6-Dinitro-o-cresol	77		88		20-164	13		30
Pentachlorophenol	66		79		9-103	18		30
Phenol	39		43		12-110	10		30
2-Methylphenol	71		77		30-130	8		30
3-Methylphenol/4-Methylphenol	70		74		30-130	6		30
2,4,5-Trichlorophenol	77		86		30-130	11		30
Carbazole	76		83		55-144	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG989826-2 WG989826-3								
Atrazine	85		97		40-140	13		30
Benzaldehyde	66		68		40-140	3		30
Caprolactam	23		26		10-130	12		30
2,3,4,6-Tetrachlorophenol	75		85		40-140	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		53		21-120
Phenol-d6	35		39		10-120
Nitrobenzene-d5	72		79		23-120
2-Fluorobiphenyl	68		76		15-120
2,4,6-Tribromophenol	79		94		10-120
4-Terphenyl-d14	75		85		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989458-4 WG989458-5 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717												
Acenaphthene	ND	1600	1200	75		1200	75		31-137	0		50
Hexachlorobenzene	ND	1600	1200	75		1200	75		40-140	0		50
Bis(2-chloroethyl)ether	ND	1600	1100	69		1200	75		40-140	9		50
2-Chloronaphthalene	ND	1600	1200	75		1200	75		40-140	0		50
3,3'-Dichlorobenzidine	ND	1600	820	51		840	53		40-140	2		50
2,4-Dinitrotoluene	ND	1600	1300	81		1300	81		40-132	0		50
2,6-Dinitrotoluene	ND	1600	1300	81		1300	81		40-140	0		50
Fluoranthene	ND	1600	1200	75		1200	75		40-140	0		50
4-Chlorophenyl phenyl ether	ND	1600	1200	75		1200	75		40-140	0		50
4-Bromophenyl phenyl ether	ND	1600	1200	75		1200	75		40-140	0		50
Bis(2-chloroisopropyl)ether	ND	1600	1100	69		1200	75		40-140	9		50
Bis(2-chloroethoxy)methane	ND	1600	1300	81		1300	81		40-117	0		50
Hexachlorobutadiene	ND	1600	1000	62		1100	69		40-140	10		50
Hexachlorocyclopentadiene	ND	1600	800	50		820	51		40-140	2		50
Hexachloroethane	ND	1600	1000	62		1100	69		40-140	10		50
Isophorone	ND	1600	1300	81		1300	81		40-140	0		50
Naphthalene	ND	1600	1100	69		1200	75		40-140	9		50
Nitrobenzene	ND	1600	1300	81		1400	88		40-140	7		50
NDPA/DPA	ND	1600	1200	75		1200	75		36-157	0		50
n-Nitrosodi-n-propylamine	ND	1600	1200	75		1300	81		32-121	8		50
Bis(2-ethylhexyl)phthalate	ND	1600	1200	75		1200	75		40-140	0		50

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989458-4 WG989458-5 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717												
Butyl benzyl phthalate	ND	1600	1300	81		1300	81		40-140	0		50
Di-n-butylphthalate	ND	1600	1200	75		1200	75		40-140	0		50
Di-n-octylphthalate	ND	1600	1300	81		1300	81		40-140	0		50
Diethyl phthalate	ND	1600	1200	75		1200	75		40-140	0		50
Dimethyl phthalate	ND	1600	1300	81		1300	81		40-140	0		50
Benzo(a)anthracene	ND	1600	1100	69		1100	69		40-140	0		50
Benzo(a)pyrene	ND	1600	1100	69		1100	69		40-140	0		50
Benzo(b)fluoranthene	ND	1600	1100	69		1100	69		40-140	0		50
Benzo(k)fluoranthene	ND	1600	1100	69		1100	69		40-140	0		50
Chrysene	ND	1600	1100	69		1100	69		40-140	0		50
Acenaphthylene	ND	1600	1200	75		1300	81		40-140	8		50
Anthracene	ND	1600	1200	75		1200	75		40-140	0		50
Benzo(ghi)perylene	ND	1600	1100	69		1100	69		40-140	0		50
Fluorene	ND	1600	1200	75		1200	75		40-140	0		50
Phenanthrene	ND	1600	1200	75		1200	75		40-140	0		50
Dibenzo(a,h)anthracene	ND	1600	1100	69		1100	69		40-140	0		50
Indeno(1,2,3-cd)pyrene	ND	1600	1100	69		1100	69		40-140	0		50
Pyrene	ND	1600	1200	75		1200	75		35-142	0		50
Biphenyl	ND	1600	1300	81		1300	81		54-104	0		50
4-Chloroaniline	ND	1600	640	40		660	41		40-140	3		50
2-Nitroaniline	ND	1600	1400	87		1400	88		47-134	0		50

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989458-4 WG989458-5 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717												
3-Nitroaniline	ND	1600	1100	69		1200	75		26-129	9		50
4-Nitroaniline	ND	1600	1300	81		1400	88		41-125	7		50
Dibenzofuran	ND	1600	1200	75		1200	75		40-140	0		50
2-Methylnaphthalene	ND	1600	1200	75		1200	75		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1600	1200	75		1200	75		40-117	0		50
Acetophenone	ND	1600	1300	81		1300	81		14-144	0		50
2,4,6-Trichlorophenol	ND	1600	1400	87		1400	88		30-130	0		50
p-Chloro-m-cresol	ND	1600	1300	81		1400	88		26-103	7		50
2-Chlorophenol	ND	1600	1200	75		1300	81		25-102	8		50
2,4-Dichlorophenol	ND	1600	1400	87		1400	88		30-130	0		50
2,4-Dimethylphenol	ND	1600	1400	87		1400	88		30-130	0		50
2-Nitrophenol	ND	1600	1400	87		1400	88		30-130	0		50
4-Nitrophenol	ND	1600	1500	94		1400	88		11-114	7		50
2,4-Dinitrophenol	ND	1600	250J	16		260J	16		4-130	4		50
4,6-Dinitro-o-cresol	ND	1600	550	34		600	38		10-130	9		50
Pentachlorophenol	ND	1600	1100	69		1100	69		17-109	0		50
Phenol	ND	1600	1200	75		1200	75		26-90	0		50
2-Methylphenol	ND	1600	1300	81		1300	81		30-130.	0		50
3-Methylphenol/4-Methylphenol	ND	1600	1300	81		1400	88		30-130	7		50
2,4,5-Trichlorophenol	ND	1600	1300	81		1300	81		30-130	0		50
Carbazole	ND	1600	1200	75		1200	75		54-128	0		50

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989458-4 WG989458-5 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717												
Atrazine	ND	1600	1500	94		1500	94		40-140	0		50
Benzaldehyde	ND	1600	1000	62		1100	69		40-140	10		50
Caprolactam	ND	1600	1300	81		1300	81		15-130	0		50
2,3,4,6-Tetrachlorophenol	ND	1600	1300	81		1300	81		40-140	0		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	81		81		10-136
2-Fluorobiphenyl	71		71		30-120
2-Fluorophenol	70		75		25-120
4-Terphenyl-d14	69		66		18-120
Nitrobenzene-d5	81		84		23-120
Phenol-d6	76		81		10-120

PCBS

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01
Client ID: SB-10 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/31/17 11:04
Analyst: AF
Percent Solids: 84%

Date Collected: 03/27/17 10:17
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 11:56
Cleanup Method: EPA 3665A
Cleanup Date: 03/30/17
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	3.02	1	A
Aroclor 1221	ND		ug/kg	38.3	3.53	1	A
Aroclor 1232	ND		ug/kg	38.3	4.49	1	A
Aroclor 1242	ND		ug/kg	38.3	4.69	1	A
Aroclor 1248	ND		ug/kg	38.3	3.23	1	A
Aroclor 1254	ND		ug/kg	38.3	3.15	1	A
Aroclor 1260	ND		ug/kg	38.3	2.92	1	A
Aroclor 1262	ND		ug/kg	38.3	1.90	1	A
Aroclor 1268	ND		ug/kg	38.3	5.55	1	A
PCBs, Total	ND		ug/kg	38.3	1.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-02
Client ID: SB-10 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/31/17 11:18
Analyst: AF
Percent Solids: 84%

Date Collected: 03/27/17 10:40
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 11:56
Cleanup Method: EPA 3665A
Cleanup Date: 03/30/17
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.11	1	A
Aroclor 1221	ND		ug/kg	39.4	3.63	1	A
Aroclor 1232	ND		ug/kg	39.4	4.61	1	A
Aroclor 1242	ND		ug/kg	39.4	4.82	1	A
Aroclor 1248	ND		ug/kg	39.4	3.32	1	A
Aroclor 1254	ND		ug/kg	39.4	3.23	1	A
Aroclor 1260	ND		ug/kg	39.4	3.00	1	A
Aroclor 1262	ND		ug/kg	39.4	1.95	1	A
Aroclor 1268	ND		ug/kg	39.4	5.71	1	A
PCBs, Total	ND		ug/kg	39.4	1.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID:	L1709552-03	Date Collected:	03/27/17 14:00
Client ID:	SB-11 (6-8) 032717	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/30/17 11:56
Analytical Date:	03/31/17 11:31	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	03/30/17
Percent Solids:	81%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.12	1	A
Aroclor 1221	ND		ug/kg	39.4	3.64	1	A
Aroclor 1232	ND		ug/kg	39.4	4.62	1	A
Aroclor 1242	ND		ug/kg	39.4	4.83	1	A
Aroclor 1248	ND		ug/kg	39.4	3.33	1	A
Aroclor 1254	ND		ug/kg	39.4	3.24	1	A
Aroclor 1260	ND		ug/kg	39.4	3.00	1	A
Aroclor 1262	ND		ug/kg	39.4	1.96	1	A
Aroclor 1268	ND		ug/kg	39.4	5.72	1	A
PCBs, Total	ND		ug/kg	39.4	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04
Client ID: SB-11 (6-8) 032717 DUP
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/31/17 11:44
Analyst: AF
Percent Solids: 82%

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 11:56
Cleanup Method: EPA 3665A
Cleanup Date: 03/30/17
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.11	1	A
Aroclor 1221	ND		ug/kg	39.4	3.64	1	A
Aroclor 1232	ND		ug/kg	39.4	4.62	1	A
Aroclor 1242	ND		ug/kg	39.4	4.82	1	A
Aroclor 1248	ND		ug/kg	39.4	3.33	1	A
Aroclor 1254	ND		ug/kg	39.4	3.24	1	A
Aroclor 1260	ND		ug/kg	39.4	3.00	1	A
Aroclor 1262	ND		ug/kg	39.4	1.96	1	A
Aroclor 1268	ND		ug/kg	39.4	5.72	1	A
PCBs, Total	ND		ug/kg	39.4	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID:	L1709552-05	Date Collected:	03/27/17 15:50
Client ID:	SB-12 (10-12) 032717	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/30/17 11:56
Analytical Date:	03/31/17 11:58	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	03/30/17
Percent Solids:	82%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.6	3.13	1	A
Aroclor 1221	ND		ug/kg	39.6	3.65	1	A
Aroclor 1232	ND		ug/kg	39.6	4.64	1	A
Aroclor 1242	ND		ug/kg	39.6	4.85	1	A
Aroclor 1248	ND		ug/kg	39.6	3.34	1	A
Aroclor 1254	ND		ug/kg	39.6	3.26	1	A
Aroclor 1260	ND		ug/kg	39.6	3.02	1	A
Aroclor 1262	ND		ug/kg	39.6	1.96	1	A
Aroclor 1268	ND		ug/kg	39.6	5.75	1	A
PCBs, Total	ND		ug/kg	39.6	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID:	L1709552-06	Date Collected:	03/28/17 11:30
Client ID:	SB-13 (4-6) 032817	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/30/17 20:26
Analytical Date:	04/01/17 12:58	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	03/31/17
Percent Solids:	83%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.11	1	A
Aroclor 1221	ND		ug/kg	39.4	3.63	1	A
Aroclor 1232	ND		ug/kg	39.4	4.62	1	A
Aroclor 1242	ND		ug/kg	39.4	4.82	1	A
Aroclor 1248	ND		ug/kg	39.4	3.32	1	A
Aroclor 1254	ND		ug/kg	39.4	3.24	1	A
Aroclor 1260	ND		ug/kg	39.4	3.00	1	A
Aroclor 1262	ND		ug/kg	39.4	1.95	1	A
Aroclor 1268	ND		ug/kg	39.4	5.71	1	A
PCBs, Total	ND		ug/kg	39.4	1.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID:	L1709552-07	Date Collected:	03/29/17 09:43
Client ID:	SB-14 (4-6) 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/30/17 11:56
Analytical Date:	03/31/17 12:11	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	03/30/17
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.14	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.66	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.27	1	A
Aroclor 1260	ND		ug/kg	39.7	3.03	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.76	1	A
PCBs, Total	ND		ug/kg	39.7	1.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08
Client ID: EQUIPMENT BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/31/17 20:06
Analyst: AF

Date Collected: 03/28/17 10:35
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/31/17 07:29
Cleanup Method: EPA 3665A
Cleanup Date: 03/31/17
Cleanup Method: EPA 3660B
Cleanup Date: 03/31/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/31/17 08:37
Analyst: AF

Extraction Method: EPA 3546
Extraction Date: 03/30/17 11:56
Cleanup Method: EPA 3665A
Cleanup Date: 03/30/17
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG989607-1						
Aroclor 1016	ND		ug/kg	32.4	2.56	A
Aroclor 1221	ND		ug/kg	32.4	2.99	A
Aroclor 1232	ND		ug/kg	32.4	3.80	A
Aroclor 1242	ND		ug/kg	32.4	3.97	A
Aroclor 1248	ND		ug/kg	32.4	2.74	A
Aroclor 1254	ND		ug/kg	32.4	2.67	A
Aroclor 1260	ND		ug/kg	32.4	2.47	A
Aroclor 1262	ND		ug/kg	32.4	1.61	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A
PCBs, Total	ND		ug/kg	32.4	1.61	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/31/17 22:19
Analyst: JA

Extraction Method: EPA 3510C
Extraction Date: 03/31/17 07:29
Cleanup Method: EPA 3665A
Cleanup Date: 03/31/17
Cleanup Method: EPA 3660B
Cleanup Date: 03/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG989872-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG989607-2 WG989607-3									
Aroclor 1016	89		90		40-140	1		50	A
Aroclor 1260	116		116		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		81		30-150	A
Decachlorobiphenyl	97		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		78		30-150	B
Decachlorobiphenyl	65		64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG989872-2 WG989872-3									
Aroclor 1016	106		102		40-140	4		50	A
Aroclor 1260	117		116		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		84		30-150	A
Decachlorobiphenyl	99		100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		95		30-150	B
Decachlorobiphenyl	102		103		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989607-4 WG989607-5 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717													
Aroclor 1016	ND	253	245	97		250	101		40-140	2		50	A
Aroclor 1260	ND	253	304	120		309	125		40-140	2		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		91		30-150	A
Decachlorobiphenyl	103		105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		86		30-150	B
Decachlorobiphenyl	69		71		30-150	B

PESTICIDES

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01
Client ID: SB-10 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/17 16:50
Analyst: KEG
Percent Solids: 84%

Date Collected: 03/27/17 10:17
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:23
Cleanup Method: EPA 3620B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.776	0.347	1	A
Alpha-BHC	ND		ug/kg	0.776	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.706	1	A
Heptachlor	ND		ug/kg	0.931	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1	A
Endrin	ND		ug/kg	0.776	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.815	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.16	0.582	1	A
4,4'-DDE	ND		ug/kg	1.86	0.431	1	A
4,4'-DDD	ND		ug/kg	1.86	0.664	1	A
4,4'-DDT	ND		ug/kg	3.49	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.622	1	A
Endosulfan sulfate	ND		ug/kg	0.776	0.369	1	A
Methoxychlor	ND		ug/kg	3.49	1.09	1	A
Toxaphene	ND		ug/kg	34.9	9.78	1	A
cis-Chlordane	ND		ug/kg	2.33	0.649	1	A
trans-Chlordane	ND		ug/kg	2.33	0.615	1	A
Chlordane	ND		ug/kg	15.1	6.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01
Client ID: SB-10 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/31/17 18:20
Analyst: DM
Percent Solids: 84%
Methylation Date: 03/31/17 00:03

Date Collected: 03/27/17 10:17
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	12.4	1	A
2,4,5-T	ND		ug/kg	196	6.09	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	5.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	72		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-02
Client ID: SB-10 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/31/17 12:08
Analyst: RL
Percent Solids: 84%

Date Collected: 03/27/17 10:40
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:23
Cleanup Method: EPA 3620B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.358	1	A
Lindane	ND		ug/kg	0.763	0.341	1	A
Alpha-BHC	ND		ug/kg	0.763	0.217	1	A
Beta-BHC	ND		ug/kg	1.83	0.694	1	A
Heptachlor	ND		ug/kg	0.916	0.410	1	A
Aldrin	ND		ug/kg	1.83	0.645	1	A
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1	A
Endrin	ND		ug/kg	0.763	0.313	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.801	1	A
Endrin ketone	ND		ug/kg	1.83	0.471	1	A
Dieldrin	ND		ug/kg	1.14	0.572	1	A
4,4'-DDE	ND		ug/kg	1.83	0.423	1	A
4,4'-DDD	ND		ug/kg	1.83	0.653	1	A
4,4'-DDT	ND		ug/kg	3.43	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.432	1	A
Endosulfan II	ND		ug/kg	1.83	0.612	1	A
Endosulfan sulfate	ND		ug/kg	0.763	0.363	1	A
Methoxychlor	ND		ug/kg	3.43	1.07	1	A
Toxaphene	ND		ug/kg	34.3	9.61	1	A
cis-Chlordane	ND		ug/kg	2.29	0.638	1	A
trans-Chlordane	ND		ug/kg	2.29	0.604	1	A
Chlordane	ND		ug/kg	14.9	6.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID:	L1709552-02	Date Collected:	03/27/17 10:40
Client ID:	SB-10 (10-12) 032717	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/30/17 06:19
Analytical Date:	03/31/17 18:42		
Analyst:	DM		
Percent Solids:	84%		
Methylation Date:	03/31/17 00:03		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	12.3	1	A
2,4,5-T	ND		ug/kg	195	6.05	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	5.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	75		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-03
Client ID: SB-11 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/31/17 12:21
Analyst: RL
Percent Solids: 81%

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:23
Cleanup Method: EPA 3620B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.96	0.384	1	A
Lindane	ND		ug/kg	0.817	0.365	1	A
Alpha-BHC	ND		ug/kg	0.817	0.232	1	A
Beta-BHC	ND		ug/kg	1.96	0.743	1	A
Heptachlor	ND		ug/kg	0.980	0.440	1	A
Aldrin	ND		ug/kg	1.96	0.690	1	A
Heptachlor epoxide	ND		ug/kg	3.68	1.10	1	A
Endrin	ND		ug/kg	0.817	0.335	1	A
Endrin aldehyde	ND		ug/kg	2.45	0.858	1	A
Endrin ketone	ND		ug/kg	1.96	0.505	1	A
Dieldrin	ND		ug/kg	1.22	0.613	1	A
4,4'-DDE	ND		ug/kg	1.96	0.453	1	A
4,4'-DDD	ND		ug/kg	1.96	0.699	1	A
4,4'-DDT	ND		ug/kg	3.68	1.58	1	A
Endosulfan I	ND		ug/kg	1.96	0.463	1	A
Endosulfan II	ND		ug/kg	1.96	0.655	1	A
Endosulfan sulfate	ND		ug/kg	0.817	0.389	1	A
Methoxychlor	ND		ug/kg	3.68	1.14	1	A
Toxaphene	ND		ug/kg	36.8	10.3	1	A
cis-Chlordane	ND		ug/kg	2.45	0.683	1	A
trans-Chlordane	ND		ug/kg	2.45	0.647	1	A
Chlordane	ND		ug/kg	15.9	6.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-03
Client ID: SB-11 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/31/17 19:03
Analyst: DM
Percent Solids: 81%
Methylation Date: 03/31/17 00:03

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	205	12.9	1	A
2,4,5-T	ND		ug/kg	205	6.35	1	A
2,4,5-TP (Silvex)	ND		ug/kg	205	5.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	75		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04
Client ID: SB-11 (6-8) 032717 DUP
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/31/17 12:34
Analyst: RL
Percent Solids: 82%

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:23
Cleanup Method: EPA 3620B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.371	1	A
Lindane	ND		ug/kg	0.789	0.353	1	A
Alpha-BHC	ND		ug/kg	0.789	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.718	1	A
Heptachlor	ND		ug/kg	0.947	0.424	1	A
Aldrin	ND		ug/kg	1.89	0.667	1	A
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1	A
Endrin	ND		ug/kg	0.789	0.324	1	A
Endrin aldehyde	ND		ug/kg	2.37	0.828	1	A
Endrin ketone	ND		ug/kg	1.89	0.488	1	A
Dieldrin	ND		ug/kg	1.18	0.592	1	A
4,4'-DDE	ND		ug/kg	1.89	0.438	1	A
4,4'-DDD	ND		ug/kg	1.89	0.675	1	A
4,4'-DDT	ND		ug/kg	3.55	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.447	1	A
Endosulfan II	ND		ug/kg	1.89	0.633	1	A
Endosulfan sulfate	ND		ug/kg	0.789	0.376	1	A
Methoxychlor	ND		ug/kg	3.55	1.10	1	A
Toxaphene	ND		ug/kg	35.5	9.94	1	A
cis-Chlordane	ND		ug/kg	2.37	0.660	1	A
trans-Chlordane	ND		ug/kg	2.37	0.625	1	A
Chlordane	ND		ug/kg	15.4	6.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	98		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04
Client ID: SB-11 (6-8) 032717 DUP
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/31/17 19:24
Analyst: DM
Percent Solids: 82%
Methylation Date: 03/31/17 00:03

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	200	12.6	1	A
2,4,5-T	ND		ug/kg	200	6.18	1	A
2,4,5-TP (Silvex)	ND		ug/kg	200	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	72		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-05
Client ID: SB-12 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/31/17 12:47
Analyst: RL
Percent Solids: 82%

Date Collected: 03/27/17 15:50
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:23
Cleanup Method: EPA 3620B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.367	1	A
Lindane	ND		ug/kg	0.781	0.349	1	A
Alpha-BHC	ND		ug/kg	0.781	0.222	1	A
Beta-BHC	ND		ug/kg	1.87	0.711	1	A
Heptachlor	ND		ug/kg	0.937	0.420	1	A
Aldrin	ND		ug/kg	1.87	0.660	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.781	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.820	1	A
Endrin ketone	ND		ug/kg	1.87	0.483	1	A
Dieldrin	ND		ug/kg	1.17	0.586	1	A
4,4'-DDE	ND		ug/kg	1.87	0.433	1	A
4,4'-DDD	ND		ug/kg	1.87	0.668	1	A
4,4'-DDT	ND		ug/kg	3.51	1.51	1	A
Endosulfan I	ND		ug/kg	1.87	0.443	1	A
Endosulfan II	ND		ug/kg	1.87	0.626	1	A
Endosulfan sulfate	ND		ug/kg	0.781	0.372	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.84	1	A
cis-Chlordane	ND		ug/kg	2.34	0.653	1	A
trans-Chlordane	ND		ug/kg	2.34	0.619	1	A
Chlordane	ND		ug/kg	15.2	6.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	98		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID:	L1709552-05	Date Collected:	03/27/17 15:50
Client ID:	SB-12 (10-12) 032717	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/30/17 06:19
Analytical Date:	03/31/17 19:46		
Analyst:	DM		
Percent Solids:	82%		
Methylation Date:	03/31/17 00:03		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	201	12.7	1	A
2,4,5-T	ND		ug/kg	201	6.24	1	A
2,4,5-TP (Silvex)	ND		ug/kg	201	5.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	76		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-06
Client ID: SB-13 (4-6) 032817
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/31/17 13:26
Analyst: RL
Percent Solids: 83%

Date Collected: 03/28/17 11:30
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:23
Cleanup Method: EPA 3620B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.372	1	A
Lindane	ND		ug/kg	0.792	0.354	1	A
Alpha-BHC	ND		ug/kg	0.792	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.720	1	A
Heptachlor	ND		ug/kg	0.950	0.426	1	A
Aldrin	ND		ug/kg	1.90	0.669	1	A
Heptachlor epoxide	ND		ug/kg	3.56	1.07	1	A
Endrin	ND		ug/kg	0.792	0.325	1	A
Endrin aldehyde	ND		ug/kg	2.38	0.831	1	A
Endrin ketone	ND		ug/kg	1.90	0.489	1	A
Dieldrin	ND		ug/kg	1.19	0.594	1	A
4,4'-DDE	ND		ug/kg	1.90	0.439	1	A
4,4'-DDD	ND		ug/kg	1.90	0.678	1	A
4,4'-DDT	ND		ug/kg	3.56	1.53	1	A
Endosulfan I	ND		ug/kg	1.90	0.449	1	A
Endosulfan II	ND		ug/kg	1.90	0.635	1	A
Endosulfan sulfate	ND		ug/kg	0.792	0.377	1	A
Methoxychlor	ND		ug/kg	3.56	1.11	1	A
Toxaphene	ND		ug/kg	35.6	9.98	1	A
cis-Chlordane	ND		ug/kg	2.38	0.662	1	A
trans-Chlordane	ND		ug/kg	2.38	0.627	1	A
Chlordane	ND		ug/kg	15.4	6.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	107		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-06
Client ID: SB-13 (4-6) 032817
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/31/17 21:10
Analyst: DM
Percent Solids: 83%
Methylation Date: 03/31/17 00:03

Date Collected: 03/28/17 11:30
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	12.4	1	A
2,4,5-T	ND		ug/kg	197	6.11	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	5.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	73		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-07
Client ID: SB-14 (4-6) 032917
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/31/17 13:39
Analyst: RL
Percent Solids: 84%

Date Collected: 03/29/17 09:43
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:23
Cleanup Method: EPA 3620B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.692	1	A
Heptachlor	ND		ug/kg	0.912	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.760	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.798	1	A
Endrin ketone	ND		ug/kg	1.82	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	ND		ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	ND		ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.57	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	98		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID:	L1709552-07	Date Collected:	03/29/17 09:43
Client ID:	SB-14 (4-6) 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/30/17 06:19
Analytical Date:	03/31/17 21:32		
Analyst:	DM		
Percent Solids:	84%		
Methylation Date:	03/31/17 00:03		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	12.4	1	A
2,4,5-T	ND		ug/kg	197	6.12	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	5.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	71		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08
Client ID: EQUIPMENT BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/31/17 18:36
Analyst: RL

Date Collected: 03/28/17 10:35
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/31/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.041	0.004	1	A
Endrin aldehyde	ND		ug/l	0.041	0.008	1	A
Endrin ketone	ND		ug/l	0.041	0.005	1	A
Dieldrin	ND		ug/l	0.041	0.004	1	A
4,4'-DDE	ND		ug/l	0.041	0.004	1	A
4,4'-DDD	ND		ug/l	0.041	0.005	1	A
4,4'-DDT	ND		ug/l	0.041	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.004	1	A
Endosulfan II	ND		ug/l	0.041	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.041	0.005	1	A
Methoxychlor	ND		ug/l	0.204	0.007	1	A
Toxaphene	ND		ug/l	0.204	0.064	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.204	0.047	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08
Client ID: EQUIPMENT BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/01/17 16:03
Analyst: KEG

Date Collected: 03/28/17 10:35
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 03/31/17 09:47

Methylation Date: 03/31/17 18:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/31/17 17:17
Analyst: DM

Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Methylation Date: 03/30/17 00:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-07 Batch: WG989449-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	64		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/30/17 23:00
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:23
Cleanup Method: EPA 3620B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG989459-1						
Delta-BHC	ND		ug/kg	1.55	0.303	A
Lindane	ND		ug/kg	0.645	0.288	A
Alpha-BHC	ND		ug/kg	0.645	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.587	A
Heptachlor	ND		ug/kg	0.774	0.347	A
Aldrin	ND		ug/kg	1.55	0.545	A
Heptachlor epoxide	ND		ug/kg	2.90	0.870	A
Endrin	ND		ug/kg	0.645	0.264	A
Endrin aldehyde	ND		ug/kg	1.93	0.677	A
Endrin ketone	ND		ug/kg	1.55	0.398	A
Dieldrin	ND		ug/kg	0.967	0.484	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.552	A
4,4'-DDT	ND		ug/kg	2.90	1.24	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.517	A
Endosulfan sulfate	ND		ug/kg	0.645	0.307	A
Methoxychlor	ND		ug/kg	2.90	0.903	A
Toxaphene	ND		ug/kg	29.0	8.12	A
cis-Chlordane	ND		ug/kg	1.93	0.539	A
trans-Chlordane	ND		ug/kg	1.93	0.511	A
Chlordane	ND		ug/kg	12.6	5.12	A

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/30/17 23:00
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/30/17 07:23
Cleanup Method: EPA 3620B
Cleanup Date: 03/30/17

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG989459-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/31/17 17:50
Analyst: RL

Extraction Method: EPA 3510C
Extraction Date: 03/31/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG989900-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/31/17 17:50
Analyst: RL

Extraction Method: EPA 3510C
Extraction Date: 03/31/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG989900-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 04/01/17 15:05
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 03/31/17 09:47

Methylation Date: 03/31/17 18:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08 Batch: WG989924-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG989449-2 WG989449-3									
2,4-D	80		78		30-150	3		30	A
2,4,5-T	80		78		30-150	3		30	A
2,4,5-TP (Silvex)	76		74		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		88		30-150	A
DCAA	73		71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG989459-2 WG989459-3									
Delta-BHC	98		102		30-150	4		30	A
Lindane	94		95		30-150	1		30	A
Alpha-BHC	98		98		30-150	0		30	A
Beta-BHC	88		91		30-150	3		30	A
Heptachlor	106		106		30-150	0		30	A
Aldrin	95		98		30-150	3		30	A
Heptachlor epoxide	95		100		30-150	5		30	A
Endrin	102		106		30-150	4		30	A
Endrin aldehyde	80		90		30-150	12		30	A
Endrin ketone	94		101		30-150	7		30	A
Dieldrin	104		107		30-150	3		30	A
4,4'-DDE	99		103		30-150	4		30	A
4,4'-DDD	94		99		30-150	5		30	A
4,4'-DDT	99		103		30-150	4		30	A
Endosulfan I	93		105		30-150	12		30	A
Endosulfan II	94		101		30-150	7		30	A
Endosulfan sulfate	81		92		30-150	13		30	A
Methoxychlor	91		97		30-150	6		30	A
cis-Chlordane	91		94		30-150	3		30	A
trans-Chlordane	87		91		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG989459-2 WG989459-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		95		30-150	B
Decachlorobiphenyl	81		84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		78		30-150	A
Decachlorobiphenyl	73		77		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG989900-2 WG989900-3									
Delta-BHC	89		86		30-150	3		20	A
Lindane	82		80		30-150	2		20	A
Alpha-BHC	84		82		30-150	3		20	A
Beta-BHC	99		99		30-150	1		20	A
Heptachlor	88		87		30-150	2		20	A
Aldrin	79		77		30-150	2		20	A
Heptachlor epoxide	78		78		30-150	1		20	A
Endrin	80		79		30-150	2		20	A
Endrin aldehyde	74		74		30-150	1		20	A
Endrin ketone	79		79		30-150	0		20	A
Dieldrin	81		80		30-150	1		20	A
4,4'-DDE	80		79		30-150	2		20	A
4,4'-DDD	85		83		30-150	3		20	A
4,4'-DDT	83		83		30-150	1		20	A
Endosulfan I	94		93		30-150	1		20	A
Endosulfan II	75		74		30-150	2		20	A
Endosulfan sulfate	73		73		30-150	1		20	A
Methoxychlor	87		87		30-150	0		20	A
cis-Chlordane	75		74		30-150	1		20	A
trans-Chlordane	96		95		30-150	1		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG989900-2 WG989900-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		77		30-150	A
Decachlorobiphenyl	69		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		87		30-150	B
Decachlorobiphenyl	86		74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08 Batch: WG989924-2 WG989924-3									
2,4-D	87		96		30-150	10		25	A
2,4,5-T	85		88		30-150	3		25	A
2,4,5-TP (Silvex)	84		88		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	109		112		30-150	A
DCAA	88		89		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989449-4 WG989449-5 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717													
2,4-D	ND	406	306	75		291	72		30-150	5		30	A
2,4,5-T	ND	406	318	78		299	74		30-150	6		30	A
2,4,5-TP (Silvex)	ND	406	304	75		290	72		30-150	5		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	96		96		30-150	A
DCAA	74		70		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989459-4 WG989459-5 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717													
Delta-BHC	ND	40.1	37.2	93		40.6	101		30-150	9		50	A
Lindane	ND	40.1	37.8	94		40.9	101		30-150	8		50	A
Alpha-BHC	ND	40.1	40.9	102		44.9	111		30-150	9		50	A
Beta-BHC	ND	40.1	40.3	100		40.8	101		30-150	1		50	A
Heptachlor	ND	40.1	41.8	104		48.4	120		30-150	15		50	A
Aldrin	ND	40.1	36.4	91		40.2	100		30-150	10		50	A
Heptachlor epoxide	ND	40.1	43.3	108		47.2	117		30-150	9		50	A
Endrin	ND	40.1	43.8	109		48.4	120		30-150	10		50	A
Endrin aldehyde	ND	40.1	37.4	93		41.2	102		30-150	10		50	A
Endrin ketone	ND	40.1	42.3	105		47.6	118		30-150	12		50	A
Dieldrin	ND	40.1	43.1	107		47.9	119		30-150	11		50	A
4,4'-DDE	ND	40.1	40.4	101		44.6	111		30-150	10		50	A
4,4'-DDD	ND	40.1	39.2	98		43.2	107		30-150	10		50	A
4,4'-DDT	ND	40.1	42.0	105		45.3	112		30-150	8		50	A
Endosulfan I	ND	40.1	41.8	104		46.6	116		30-150	11		50	A
Endosulfan II	ND	40.1	41.8	104		45.9	114		30-150	9		50	A
Endosulfan sulfate	ND	40.1	37.5	94		41.9	104		30-150	11		50	A
Methoxychlor	ND	40.1	42.3	105		47.8	118		30-150	12		50	A
cis-Chlordane	ND	40.1	39.9	99		43.7	108		30-150	9		50	A
trans-Chlordane	ND	40.1	33.8	84		38.4	95		30-150	13		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989459-4 WG989459-5 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		98		30-150	B
Decachlorobiphenyl	97		109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		93		30-150	A
Decachlorobiphenyl	98		110		30-150	A

METALS

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01
Client ID: SB-10 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 84%
Date Collected: 03/27/17 10:17
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7900		mg/kg	9.3	2.5	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.7	0.35	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Arsenic, Total	3.2		mg/kg	0.93	0.19	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Barium, Total	63		mg/kg	0.93	0.16	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Beryllium, Total	0.27	J	mg/kg	0.47	0.03	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.93	0.09	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Calcium, Total	57000		mg/kg	9.3	3.3	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Chromium, Total	12		mg/kg	0.93	0.09	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Cobalt, Total	6.8		mg/kg	1.9	0.15	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Copper, Total	14		mg/kg	0.93	0.24	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Iron, Total	15000		mg/kg	4.7	0.84	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Lead, Total	12		mg/kg	4.7	0.25	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Magnesium, Total	20000		mg/kg	9.3	1.4	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Manganese, Total	400		mg/kg	0.93	0.15	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	03/31/17 05:55	04/01/17 15:10	EPA 7471B	1,7471B	BV
Nickel, Total	15		mg/kg	2.3	0.22	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Potassium, Total	1100		mg/kg	230	13.	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Selenium, Total	0.32	J	mg/kg	1.9	0.24	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.93	0.26	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Sodium, Total	120	J	mg/kg	190	2.9	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.9	0.29	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Vanadium, Total	17		mg/kg	0.93	0.19	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS
Zinc, Total	52		mg/kg	4.7	0.27	2	03/30/17 15:00	04/04/17 10:53	EPA 3050B	1,6010C	PS

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-02
Client ID: SB-10 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 03/27/17 10:40
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5100		mg/kg	9.2	2.5	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.6	0.35	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Arsenic, Total	2.7		mg/kg	0.92	0.19	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Barium, Total	39		mg/kg	0.92	0.16	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Beryllium, Total	0.14	J	mg/kg	0.46	0.03	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.92	0.09	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Calcium, Total	50000		mg/kg	9.2	3.2	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Chromium, Total	8.4		mg/kg	0.92	0.09	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Cobalt, Total	4.6		mg/kg	1.8	0.15	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Copper, Total	11		mg/kg	0.92	0.24	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Iron, Total	11000		mg/kg	4.6	0.83	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Lead, Total	8.4		mg/kg	4.6	0.24	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Magnesium, Total	19000		mg/kg	9.2	1.4	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Manganese, Total	300		mg/kg	0.92	0.14	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	03/31/17 05:55	04/01/17 15:13	EPA 7471B	1,7471B	BV
Nickel, Total	10		mg/kg	2.3	0.22	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Potassium, Total	740		mg/kg	230	13.	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.8	0.24	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.92	0.26	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Sodium, Total	120	J	mg/kg	180	2.9	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.8	0.29	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Vanadium, Total	14		mg/kg	0.92	0.18	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS
Zinc, Total	60		mg/kg	4.6	0.27	2	03/30/17 15:00	04/04/17 10:57	EPA 3050B	1,6010C	PS

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-03
Client ID: SB-11 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3400		mg/kg	9.7	2.6	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.8	0.37	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Arsenic, Total	1.6		mg/kg	0.97	0.20	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Barium, Total	16		mg/kg	0.97	0.17	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Beryllium, Total	0.06	J	mg/kg	0.48	0.03	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.97	0.10	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Calcium, Total	45000		mg/kg	9.7	3.4	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Chromium, Total	5.7		mg/kg	0.97	0.09	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Cobalt, Total	2.8		mg/kg	1.9	0.16	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Copper, Total	8.1		mg/kg	0.97	0.25	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Iron, Total	8100		mg/kg	4.8	0.87	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Lead, Total	9.6		mg/kg	4.8	0.26	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Magnesium, Total	22000		mg/kg	9.7	1.5	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Manganese, Total	280		mg/kg	0.97	0.15	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	03/31/17 05:55	04/01/17 15:15	EPA 7471B	1,7471B	BV
Nickel, Total	5.8		mg/kg	2.4	0.23	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Potassium, Total	480		mg/kg	240	14.	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.9	0.25	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.97	0.27	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Sodium, Total	240		mg/kg	190	3.0	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.9	0.30	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Vanadium, Total	10		mg/kg	0.97	0.20	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS
Zinc, Total	50		mg/kg	4.8	0.28	2	03/30/17 15:00	04/04/17 11:01	EPA 3050B	1,6010C	PS

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04
Client ID: SB-11 (6-8) 032717 DUP
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3300		mg/kg	9.5	2.6	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.8	0.36	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Arsenic, Total	1.5		mg/kg	0.95	0.20	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Barium, Total	16		mg/kg	0.95	0.17	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Beryllium, Total	0.07	J	mg/kg	0.48	0.03	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.95	0.09	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Calcium, Total	46000		mg/kg	9.5	3.3	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Chromium, Total	5.4		mg/kg	0.95	0.09	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Cobalt, Total	3.1		mg/kg	1.9	0.16	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Copper, Total	8.4		mg/kg	0.95	0.25	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Iron, Total	8100		mg/kg	4.8	0.86	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Lead, Total	9.8		mg/kg	4.8	0.26	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Magnesium, Total	22000		mg/kg	9.5	1.5	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Manganese, Total	320		mg/kg	0.95	0.15	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	03/31/17 05:55	04/01/17 15:19	EPA 7471B	1,7471B	BV
Nickel, Total	6.0		mg/kg	2.4	0.23	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Potassium, Total	460		mg/kg	240	14.	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.9	0.25	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.95	0.27	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Sodium, Total	230		mg/kg	190	3.0	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.9	0.30	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Vanadium, Total	11		mg/kg	0.95	0.19	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS
Zinc, Total	49		mg/kg	4.8	0.28	2	03/30/17 15:00	04/04/17 11:05	EPA 3050B	1,6010C	PS

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-05
Client ID: SB-12 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 03/27/17 15:50
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9000		mg/kg	9.4	2.5	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.7	0.36	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Arsenic, Total	2.8		mg/kg	0.94	0.20	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Barium, Total	58		mg/kg	0.94	0.16	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Beryllium, Total	0.30	J	mg/kg	0.47	0.03	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.94	0.09	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Calcium, Total	59000		mg/kg	9.4	3.3	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Chromium, Total	14		mg/kg	0.94	0.09	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Cobalt, Total	7.9		mg/kg	1.9	0.16	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Copper, Total	16		mg/kg	0.94	0.24	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Iron, Total	17000		mg/kg	4.7	0.85	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Lead, Total	12		mg/kg	4.7	0.25	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Magnesium, Total	20000		mg/kg	9.4	1.4	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Manganese, Total	440		mg/kg	0.94	0.15	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	03/31/17 05:55	04/01/17 15:03	EPA 7471B	1,7471B	BV
Nickel, Total	16		mg/kg	2.4	0.23	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Potassium, Total	1300		mg/kg	240	14.	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.9	0.24	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.94	0.27	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Sodium, Total	370		mg/kg	190	3.0	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.9	0.30	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Vanadium, Total	20		mg/kg	0.94	0.19	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS
Zinc, Total	56		mg/kg	4.7	0.28	2	03/30/17 15:00	04/04/17 10:38	EPA 3050B	1,6010C	PS

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-06
Client ID: SB-13 (4-6) 032817
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 03/28/17 11:30
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11000		mg/kg	9.4	2.5	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.7	0.36	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Arsenic, Total	4.4		mg/kg	0.94	0.20	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Barium, Total	69		mg/kg	0.94	0.16	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Beryllium, Total	0.42	J	mg/kg	0.47	0.03	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.94	0.09	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Calcium, Total	1600		mg/kg	9.4	3.3	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Chromium, Total	15		mg/kg	0.94	0.09	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Cobalt, Total	7.0		mg/kg	1.9	0.16	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Copper, Total	11		mg/kg	0.94	0.24	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Iron, Total	17000		mg/kg	4.7	0.85	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Lead, Total	11		mg/kg	4.7	0.25	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Magnesium, Total	2700		mg/kg	9.4	1.4	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Manganese, Total	700		mg/kg	0.94	0.15	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	03/31/17 05:55	04/01/17 15:26	EPA 7471B	1,7471B	BV
Nickel, Total	14		mg/kg	2.3	0.23	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Potassium, Total	930		mg/kg	230	14.	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.9	0.24	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.94	0.26	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Sodium, Total	480		mg/kg	190	3.0	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.9	0.30	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Vanadium, Total	22		mg/kg	0.94	0.19	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS
Zinc, Total	57		mg/kg	4.7	0.28	2	03/30/17 15:00	04/04/17 11:28	EPA 3050B	1,6010C	PS

Project Name: RITE-AID - BUFFALO
Lab Number: L1709552
Project Number: 055.002
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-07
Client ID: SB-14 (4-6) 032917
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 03/29/17 09:43
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5200		mg/kg	9.0	2.4	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.5	0.34	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Arsenic, Total	2.7		mg/kg	0.90	0.19	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Barium, Total	40		mg/kg	0.90	0.16	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Beryllium, Total	0.14	J	mg/kg	0.45	0.03	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.90	0.09	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Calcium, Total	51000		mg/kg	9.0	3.2	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Chromium, Total	13		mg/kg	0.90	0.09	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Cobalt, Total	4.8		mg/kg	1.8	0.15	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Copper, Total	11		mg/kg	0.90	0.23	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Iron, Total	12000		mg/kg	4.5	0.82	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Lead, Total	11		mg/kg	4.5	0.24	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Magnesium, Total	20000		mg/kg	9.0	1.4	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Manganese, Total	320		mg/kg	0.90	0.14	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	03/31/17 05:55	04/01/17 15:28	EPA 7471B	1,7471B	BV
Nickel, Total	10		mg/kg	2.2	0.22	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Potassium, Total	760		mg/kg	220	13.	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.8	0.23	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.90	0.26	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Sodium, Total	300		mg/kg	180	2.8	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.8	0.28	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Vanadium, Total	14		mg/kg	0.90	0.18	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS
Zinc, Total	43		mg/kg	4.5	0.26	2	03/30/17 15:00	04/04/17 11:32	EPA 3050B	1,6010C	PS

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08
Client ID: EQUIPMENT BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Water
Date Collected: 03/28/17 10:35
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00436	J	mg/l	0.0100	0.00327	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Antimony, Total	0.00074	J	mg/l	0.00400	0.00042	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Calcium, Total	0.0623	J	mg/l	0.100	0.0394	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Manganese, Total	0.00068	J	mg/l	0.00100	0.00044	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/30/17 09:54	03/30/17 19:26	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Sodium, Total	0.237		mg/l	0.100	0.0293	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/30/17 10:18	04/01/17 12:17	EPA 3005A	1,6020A	BV

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG989519-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/30/17 09:54	03/30/17 19:03	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG989530-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Antimony, Total	0.00107	J	mg/l	0.00400	0.00042	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Calcium, Total	ND		mg/l	0.100	0.0394	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Copper, Total	0.00082	J	mg/l	0.00100	0.00038	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Lead, Total	ND		mg/l	0.00050	0.00034	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Sodium, Total	ND		mg/l	0.100	0.0293	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/30/17 10:18	04/01/17 12:14	1,6020A	BV

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG989532-1										
Aluminum, Total	ND		mg/kg	20	5.4	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Antimony, Total	ND		mg/kg	10	0.76	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Arsenic, Total	ND		mg/kg	2.0	0.42	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Barium, Total	ND		mg/kg	2.0	0.35	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Beryllium, Total	ND		mg/kg	1.0	0.07	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Cadmium, Total	ND		mg/kg	2.0	0.20	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Calcium, Total	ND		mg/kg	20	7.0	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Chromium, Total	ND		mg/kg	2.0	0.19	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Cobalt, Total	ND		mg/kg	4.0	0.33	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Copper, Total	ND		mg/kg	2.0	0.52	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Iron, Total	ND		mg/kg	10	1.8	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Lead, Total	ND		mg/kg	10	0.54	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Magnesium, Total	ND		mg/kg	20	3.1	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Manganese, Total	ND		mg/kg	2.0	0.32	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Nickel, Total	ND		mg/kg	5.0	0.48	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Potassium, Total	ND		mg/kg	500	29.	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Selenium, Total	ND		mg/kg	4.0	0.52	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Silver, Total	ND		mg/kg	2.0	0.57	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Sodium, Total	ND		mg/kg	400	6.3	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Thallium, Total	ND		mg/kg	4.0	0.63	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Vanadium, Total	ND		mg/kg	2.0	0.41	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Zinc, Total	ND		mg/kg	10	0.59	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG989819-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/31/17 03:22	04/01/17 14:54	1,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG989519-2								
Mercury, Total	100		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG989530-2					
Aluminum, Total	107	-	80-120	-	
Antimony, Total	106	-	80-120	-	
Arsenic, Total	110	-	80-120	-	
Barium, Total	100	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	108	-	80-120	-	
Calcium, Total	104	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Cobalt, Total	101	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	98	-	80-120	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	108	-	80-120	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	105	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG989530-2					
Zinc, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG989532-2 SRM Lot Number: D091-540					
Aluminum, Total	70	-	52-148	-	
Antimony, Total	146	-	1-200	-	
Arsenic, Total	103	-	80-121	-	
Barium, Total	91	-	84-117	-	
Beryllium, Total	94	-	83-117	-	
Cadmium, Total	100	-	83-117	-	
Calcium, Total	86	-	81-118	-	
Chromium, Total	98	-	80-119	-	
Cobalt, Total	97	-	84-115	-	
Copper, Total	98	-	82-117	-	
Iron, Total	93	-	47-154	-	
Lead, Total	103	-	82-118	-	
Magnesium, Total	87	-	77-123	-	
Manganese, Total	87	-	82-118	-	
Nickel, Total	101	-	83-117	-	
Potassium, Total	83	-	72-128	-	
Selenium, Total	96	-	79-121	-	
Silver, Total	102	-	75-124	-	
Sodium, Total	82	-	73-126	-	
Thallium, Total	99	-	80-121	-	
Vanadium, Total	96	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG989532-2 SRM Lot Number: D091-540					
Zinc, Total	98	-	82-118	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG989819-2 SRM Lot Number: D091-540					
Mercury, Total	106	-	72-128	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG989519-3 QC Sample: L1709265-13 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00487	97		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG989530-3 QC Sample: L1709519-01 Client ID: MS Sample										
Aluminum, Total	0.007J	2	2.13	106		-	-	75-125	-	20
Antimony, Total	0.0047	0.5	0.6368	**126**	Q	-	-	75-125	-	20
Arsenic, Total	0.02476	0.12	0.1515	106		-	-	75-125	-	20
Barium, Total	0.3447	2	2.265	96		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05017	100		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05811	114		-	-	75-125	-	20
Calcium, Total	105.	10	111	**60**	Q	-	-	75-125	-	20
Chromium, Total	0.00067J	0.2	0.2005	100		-	-	75-125	-	20
Cobalt, Total	0.0006	0.5	0.5022	100		-	-	75-125	-	20
Copper, Total	ND	0.25	0.2522	101		-	-	75-125	-	20
Iron, Total	7.25	1	8.14	89		-	-	75-125	-	20
Lead, Total	ND	0.51	0.5161	101		-	-	75-125	-	20
Magnesium, Total	27.8	10	38.3	105		-	-	75-125	-	20
Manganese, Total	2.726	0.5	3.160	87		-	-	75-125	-	20
Nickel, Total	0.00125J	0.5	0.5050	101		-	-	75-125	-	20
Potassium, Total	22.4	10	32.7	103		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.124	103		-	-	75-125	-	20
Silver, Total	ND	0.05	0.04854	97		-	-	75-125	-	20
Sodium, Total	359.	10	351	**0**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1194	100		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5027	100		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG989530-3 QC Sample: L1709519-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.4825	96	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 032717	QC Batch ID: WG989532-3					WG989532-4	QC Sample: L1709552-05		Client ID: SB-12 (10-12)		
Aluminum, Total	9000	191	10000	**524**	Q	11000	**1040**	Q	75-125	10	20
Antimony, Total	ND	47.7	35	**73**	Q	39	81		75-125	11	20
Arsenic, Total	2.8	11.4	14	98		14	97		75-125	0	20
Barium, Total	58.	191	210	80		240	94		75-125	13	20
Beryllium, Total	0.30J	4.77	4.2	88		4.4	91		75-125	5	20
Cadmium, Total	ND	4.86	3.8	78		4.0	81		75-125	5	20
Calcium, Total	59000	954	61000	**210**	Q	65000	**623**	Q	75-125	6	20
Chromium, Total	14.	19.1	31	89		32	93		75-125	3	20
Cobalt, Total	7.9	47.7	45	78		47	81		75-125	4	20
Copper, Total	16.	23.8	38	92		40	100		75-125	5	20
Iron, Total	17000	95.4	19000	**2100**	Q	19000	**2080**	Q	75-125	0	20
Lead, Total	12.	48.6	52	82		54	85		75-125	4	20
Magnesium, Total	20000	954	21000	105		23000	**311**	Q	75-125	9	20
Manganese, Total	440	47.7	480	84		520	**166**	Q	75-125	8	20
Nickel, Total	16.	47.7	54	80		57	85		75-125	5	20
Potassium, Total	1300	954	2400	115		2500	124		75-125	4	20
Selenium, Total	ND	11.4	9.8	86		10	86		75-125	2	20
Silver, Total	ND	28.6	26	91		28	97		75-125	7	20
Sodium, Total	370	954	1300	98		1300	96		75-125	0	20
Thallium, Total	ND	11.4	8.2	**72**	Q	8.6	**74**	Q	75-125	5	20
Vanadium, Total	20.	47.7	62	88		65	93		75-125	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 032717	QC Batch ID: WG989532-3					WG989532-4	QC Sample: L1709552-05			Client ID: SB-12 (10-12)	
Zinc, Total	56.	47.7	96	84		98	87		75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 032717	QC Batch ID: WG989819-3					WG989819-4	QC Sample: L1709552-05			Client ID: SB-12 (10-12)	
Mercury, Total	0.03J	0.154	0.19	**124**	Q	0.21	**127**	Q	80-120	10	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG989519-4 QC Sample: L1709265-13 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG989530-4 QC Sample: L1709519-01 Client ID: DUP Sample						
Arsenic, Total	0.02476	0.02634	mg/l	6		20
Chromium, Total	0.00067J	0.00069J	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.00125J	0.00092J	mg/l	NC		20
Zinc, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-01
Client ID: SB-10 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil

Date Collected: 03/27/17 10:17
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	4.3	0.72	4	03/31/17 22:36	04/03/17 12:35	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-02
Client ID: SB-10 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Date Collected: 03/27/17 10:40
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.7		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.18	1	03/31/17 22:36	04/03/17 11:53	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-03
Client ID: SB-11 (6-8) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.20	1	03/31/17 22:36	04/03/17 11:53	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-04
Client ID: SB-11 (6-8) 032717 DUP
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Date Collected: 03/27/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.19	1	03/31/17 22:36	04/03/17 11:54	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-05
Client ID: SB-12 (10-12) 032717
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Date Collected: 03/27/17 15:50
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.6		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.19	1	03/31/17 22:36	04/03/17 11:55	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-06
Client ID: SB-13 (4-6) 032817
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Date Collected: 03/28/17 11:30
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	0.22	J	mg/kg	1.1	0.19	1	03/31/17 22:36	04/03/17 11:59	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-07
Client ID: SB-14 (4-6) 032917
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Date Collected: 03/29/17 09:43
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	4.5	0.75	4	03/31/17 22:36	04/03/17 12:36	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

SAMPLE RESULTS

Lab ID: L1709552-08
Client ID: EQUIPMENT BLANK
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Water

Date Collected: 03/28/17 10:35
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/31/17 09:40	04/03/17 16:35	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709552
Report Date: 04/04/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG989682-1										
Cyanide, Total	ND		mg/kg	0.88	0.14	1	03/31/17 22:36	04/03/17 11:48	1,9010C/9012B	DE
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG989893-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/31/17 09:40	04/03/17 16:25	1,9010C/9012B	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709552

Report Date: 04/04/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG989682-2 WG989682-3								
Cyanide, Total	85		95		80-120	5		35
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG989893-2 WG989893-3								
Cyanide, Total	103		109		85-115	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989682-4 WG989682-5 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717												
Cyanide, Total	ND	12	10	84		10	86		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG989893-4 WG989893-5 QC Sample: L1709748-01 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.218	109		0.213	106		80-120	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG989523-1 QC Sample: L1709552-05 Client ID: SB-12 (10-12) 032717						
Solids, Total	81.6	81.5	%	0		20

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 31-MAR-17 08:59

Cooler Information Custody Seal

Cooler	
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1709552-01A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709552-01B	Vial Large Septa unpreserved (4o	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-01C	Glass 250ml/8oz unpreserved	B	N/A	4.5	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709552-01X	Vial MeOH preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-01Y	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-01Z	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-02A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709552-02B	Vial Large Septa unpreserved (4o	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-02C	Glass 250ml/8oz unpreserved	B	N/A	4.5	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709552-02X	Vial MeOH preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-02Y	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-02Z	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1709552-03A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709552-03B	Vial Large Septa unpreserved (4o	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-03C	Glass 250ml/8oz unpreserved	B	N/A	4.5	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709552-03X	Vial MeOH preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-03Y	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-03Z	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-04A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709552-04B	Vial Large Septa unpreserved (4o	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-04C	Glass 250ml/8oz unpreserved	B	N/A	4.5	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709552-04X	Vial MeOH preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-04Y	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-04Z	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1709552-05A1	Metals Only - Glass 60mL/2oz unp	B	N/A	4.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709552-05A2	Metals Only - Glass 60mL/2oz unp	B	N/A	4.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709552-05B	Vial Large Septa unpreserved (4o	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05B1	Vial Large Septa unpreserved (4o	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05B2	Vial Large Septa unpreserved (4o	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05C	Glass 250ml/8oz unpreserved	B	N/A	4.5	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709552-05C1	Glass 250ml/8oz unpreserved	B	N/A	4.5	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709552-05C2	Glass 250ml/8oz unpreserved	B	N/A	4.5	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709552-05X	Vial MeOH preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05X1	Vial MeOH preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05X2	Vial MeOH preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05Y	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05Y1	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05Y2	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05Z	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05Z1	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-05Z2	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1709552-06A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709552-06B	Vial Large Septa unpreserved (4o	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-06C	Glass 250ml/8oz unpreserved	B	N/A	4.5	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709552-06X	Vial MeOH preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-06Y	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-06Z	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-07A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709552-07B	Vial Large Septa unpreserved (4o	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-07C	Glass 250ml/8oz unpreserved	B	N/A	4.5	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709552-07X	Vial MeOH preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-07Y	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-07Z	Vial Water preserved split	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-08A	Vial HCl preserved	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-08B	Vial HCl preserved	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-08C	Vial HCl preserved	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)
L1709552-08D	Plastic 250ml NaOH preserved	B	>12	4.5	Y	Absent	TCN-9010(14)

*Values in parentheses indicate holding time in days

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709552
Report Date: 04/04/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1709552-08E	Plastic 250ml HNO3 preserved	B	<2	4.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1709552-08F	Amber 500ml unpreserved	B	7	4.5	Y	Absent	NYTCL-8081(7)
L1709552-08G	Amber 500ml unpreserved	B	7	4.5	Y	Absent	NYTCL-8081(7)
L1709552-08H	Amber 1000ml unpreserved	B	7	4.5	Y	Absent	HERB-APA(7),NYTCL-8082-1200ML(7)
L1709552-08I	Amber 1000ml unpreserved	B	7	4.5	Y	Absent	HERB-APA(7),NYTCL-8082-1200ML(7)
L1709552-08J	Amber 1000ml unpreserved	B	7	4.5	Y	Absent	NYTCL-8270(7)
L1709552-08K	Amber 1000ml unpreserved	B	7	4.5	Y	Absent	NYTCL-8270(7)
L1709552-09A	Vial HCl preserved	B	N/A	4.5	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	RITE-AID - BUFFALO	**Lab Number:**	L1709552
Project Number:	055.002	**Report Date:**	04/04/17

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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

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

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	RITE-AID - BUFFALO	**Lab Number:**	L1709552
Project Number:	055.002	**Report Date:**	04/04/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

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.

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:	RITE-AID - BUFFALO	**Lab Number:**	L1709552
Project Number:	055.002	**Report Date:**	04/04/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/30/17

ALPHA Job #: L1709552

Client Information

Client: Leader Professional Services
Address: 271 Marsh Rd, Suite#2
Pittsford, NY 14534
Phone: 585-248-2413
Fax:
Email: Avonschendorf@leaderlink.com

Project Information

Project Name: R.E. - Aicl — Buffalo
Project Location: 350 Niagara St. Buffalo, NY
Project # 055.002
(Use Project name as Project #) ☐
Project Manager: Pete von Schendorf
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ 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	VOCs + 10 TICs	SVOCs +20 TICs	Pesticides & Herbicides	PCBs	TAL Metals Hg + Cyanide				Sample Specific Comments	Total Bottle
09552-01	SB-10 (6-8) 032717	3/27/17	1017	S	MK	X	X	X	X	X					3
02	~~SB-11~~ SB-10 (10-12) 032717		1040			X	X	X	X	X					3
03	SB-11 (6-8) 032717		1400			X	X	X	X	X					3
04	SB-11 (6-8) 032717 Dup		1400			X	X	X	X	X					3
05	SB-12 (10-12) 032717		1550			X	X	X	X	X					3
06	SB-12 (10-12) 032717 MS/MSD	↓	1550	↓		X	X	X	X	X					3
07	SB-13 (4-6) 032817	3/28/17	1130	S		X	X	X	X	X					3
08	SB-14 (4-6) 032917	3/29/17	0943	S		X	X	X	X	X					3
09	Equipment Blank	3/28/17	1635	DW	↓	X	X	X	X	X					11
10	Trip Blank			DW		X									1
	Container Type					A/V	A	A	A	A					
	Preservative					A/B	A	A	A	A					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	3/29/17 1618		3.29.17 1610
1LC	3.29.17 1610	Samuelle Math	3/30/17 01:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1709602
Client:	Leader Professional Services, Inc. 271 Marsh Road, Suite 2 Pittsford, NY 14534
ATTN:	Peter Von Schondorf
Phone:	(585) 248-2413
Project Name:	RITE-AID - BUFFALO
Project Number:	055.002
Report Date:	04/05/17

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1709602-01	SURFACE-1 032917	SOIL	350 NIAGARA ST, BUFFALO, NY	03/29/17 13:20	03/29/17
L1709602-02	SURFACE-2 032917	SOIL	350 NIAGARA ST, BUFFALO, NY	03/29/17 13:30	03/29/17
L1709602-03	SURFACE-3 032917	SOIL	350 NIAGARA ST, BUFFALO, NY	03/29/17 13:35	03/29/17
L1709602-04	SURFACE-4 032917	SOIL	350 NIAGARA ST, BUFFALO, NY	03/29/17 13:50	03/29/17
L1709602-05	SURFACE-5 032917	SOIL	350 NIAGARA ST, BUFFALO, NY	03/29/17 13:40	03/29/17
L1709602-06	SURFACE-6 032917	SOIL	350 NIAGARA ST, BUFFALO, NY	03/29/17 14:00	03/29/17

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709602
Report Date: 04/05/17

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC 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. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

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

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

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709602
Project Number: 055.002 **Report Date:** 04/05/17

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.

Metals

L1709602-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG989509-2 LCS recovery (134%), associated with L1709602-01 through -06, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG989509-2/-3 LCS/LCSD RPD (45%), associated with L1709602-01 through -06, is above the acceptance criteria.

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

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 04/05/17

ORGANICS

SEMIVOLATILES

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-01
Client ID: SURFACE-1 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/02/17 03:21
Analyst: KV
Percent Solids: 74%

Date Collected: 03/29/17 13:20
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 17:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	51	J	ug/kg	180	23.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	940		ug/kg	130	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	100	J	ug/kg	220	77.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	76.	1
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	490		ug/kg	130	25.	1
Benzo(a)pyrene	440		ug/kg	180	54.	1
Benzo(b)fluoranthene	570		ug/kg	130	38.	1
Benzo(k)fluoranthene	200		ug/kg	130	36.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709602

Project Number: 055.002 **Report Date:** 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-01 Date Collected: 03/29/17 13:20

Client ID: SURFACE-1 032917 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST, BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	460		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	140		ug/kg	130	44.	1
Benzo(ghi)perylene	260		ug/kg	180	26.	1
Fluorene	50	J	ug/kg	220	22.	1
Phenanthrene	630		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	72	J	ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	290		ug/kg	180	31.	1
Pyrene	800		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	510	52.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	43.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	92.	1
Dibenzofuran	32	J	ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	ND		ug/kg	480	84.	1
4-Nitrophenol	ND		ug/kg	310	91.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	110	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	35.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	43.	1
Carbazole	82	J	ug/kg	220	22.	1
Atrazine	ND		ug/kg	180	78.	1
Benzaldehyde	ND		ug/kg	290	60.	1
Caprolactam	ND		ug/kg	220	68.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	45.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-01
Client ID: SURFACE-1 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Date Collected: 03/29/17 13:20
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	359	J	ug/kg			1
Unknown	179	J	ug/kg			1
Unknown	180	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	64		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-02
Client ID: SURFACE-2 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/02/17 03:46
Analyst: SZ
Percent Solids: 76%

Date Collected: 03/29/17 13:30
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 17:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	47	J	ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	29.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	1400		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	42	J	ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	240		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	640		ug/kg	130	24.	1
Benzo(a)pyrene	670		ug/kg	170	53.	1
Benzo(b)fluoranthene	890		ug/kg	130	36.	1
Benzo(k)fluoranthene	270		ug/kg	130	35.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709602

Project Number: 055.002 **Report Date:** 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-02 Date Collected: 03/29/17 13:30

Client ID: SURFACE-2 032917 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST, BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	610		ug/kg	130	22.	1
Acenaphthylene	94	J	ug/kg	170	34.	1
Anthracene	190		ug/kg	130	42.	1
Benzo(ghi)perylene	430		ug/kg	170	26.	1
Fluorene	55	J	ug/kg	220	21.	1
Phenanthrene	650		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	95	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	440		ug/kg	170	30.	1
Pyrene	1100		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	32	J	ug/kg	220	20.	1
2-Methylnaphthalene	33	J	ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	79	J	ug/kg	220	21.	1
Atrazine	ND		ug/kg	170	76.	1
Benzaldehyde	ND		ug/kg	290	58.	1
Caprolactam	ND		ug/kg	220	66.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-02
Client ID: SURFACE-2 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Date Collected: 03/29/17 13:30
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	559	J	ug/kg			1
Unknown	264	J	ug/kg			1
Unknown Organic Acid	295	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	64		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-03
Client ID: SURFACE-3 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/02/17 02:40
Analyst: KV
Percent Solids: 77%

Date Collected: 03/29/17 13:35
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 17:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	43.	1
2,6-Dinitrotoluene	ND		ug/kg	210	37.	1
Fluoranthene	380		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	130	J	ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	190		ug/kg	130	24.	1
Benzo(a)pyrene	160	J	ug/kg	170	52.	1
Benzo(b)fluoranthene	220		ug/kg	130	36.	1
Benzo(k)fluoranthene	55	J	ug/kg	130	34.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709602

Project Number: 055.002 **Report Date:** 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-03 Date Collected: 03/29/17 13:35

Client ID: SURFACE-3 032917 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST, BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	170		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	50	J	ug/kg	130	42.	1
Benzo(ghi)perylene	120	J	ug/kg	170	25.	1
Fluorene	21	J	ug/kg	210	21.	1
Phenanthrene	220		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	30	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	170	30.	1
Pyrene	300		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Carbazole	22	J	ug/kg	210	21.	1
Atrazine	ND		ug/kg	170	75.	1
Benzaldehyde	ND		ug/kg	280	58.	1
Caprolactam	ND		ug/kg	210	65.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	43.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-03
Client ID: SURFACE-3 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Date Collected: 03/29/17 13:35
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	192	J	ug/kg			1
Unknown	192	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	60		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-04
Client ID: SURFACE-4 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/02/17 03:07
Analyst: KV
Percent Solids: 74%

Date Collected: 03/29/17 13:50
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 17:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	51	J	ug/kg	180	23.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	1000		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	33	J	ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	460		ug/kg	130	25.	1
Benzo(a)pyrene	370		ug/kg	180	54.	1
Benzo(b)fluoranthene	470		ug/kg	130	37.	1
Benzo(k)fluoranthene	170		ug/kg	130	35.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709602

Project Number: 055.002 **Report Date:** 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-04 Date Collected: 03/29/17 13:50

Client ID: SURFACE-4 032917 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST, BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	430		ug/kg	130	23.	1
Acenaphthylene	53	J	ug/kg	180	34.	1
Anthracene	160		ug/kg	130	43.	1
Benzo(ghi)perylene	240		ug/kg	180	26.	1
Fluorene	80	J	ug/kg	220	21.	1
Phenanthrene	660		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	64	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	180	31.	1
Pyrene	790		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	45	J	ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	69	J	ug/kg	220	21.	1
Atrazine	ND		ug/kg	180	77.	1
Benzaldehyde	ND		ug/kg	290	59.	1
Caprolactam	ND		ug/kg	220	67.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-04
Client ID: SURFACE-4 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Date Collected: 03/29/17 13:50
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	449	J	ug/kg			1
Unknown	215	J	ug/kg			1
Unknown PAH	234	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	112		10-136
4-Terphenyl-d14	73		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-05
Client ID: SURFACE-5 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/02/17 03:32
Analyst: KV
Percent Solids: 82%

Date Collected: 03/29/17 13:40
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 17:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	82	J	ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	1200		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	560		ug/kg	120	22.	1
Benzo(a)pyrene	450		ug/kg	160	48.	1
Benzo(b)fluoranthene	580		ug/kg	120	34.	1
Benzo(k)fluoranthene	200		ug/kg	120	32.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709602

Project Number: 055.002 **Report Date:** 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-05 Date Collected: 03/29/17 13:40

Client ID: SURFACE-5 032917 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST, BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	520		ug/kg	120	21.	1
Acenaphthylene	51	J	ug/kg	160	31.	1
Anthracene	190		ug/kg	120	39.	1
Benzo(ghi)perylene	280		ug/kg	160	23.	1
Fluorene	76	J	ug/kg	200	19.	1
Phenanthrene	770		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	76	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	300		ug/kg	160	28.	1
Pyrene	960		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	44	J	ug/kg	200	19.	1
2-Methylnaphthalene	25	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	70	J	ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-05
Client ID: SURFACE-5 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Date Collected: 03/29/17 13:40
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	1160	J	ug/kg			1
Unknown PAH	173	J	ug/kg			1
Unknown PAH	212	J	ug/kg			1
Unknown Alkane	193	J	ug/kg			1
Unknown	223	J	ug/kg			1
Unknown	175	J	ug/kg			1
Unknown	182	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	58		18-120

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-06
Client ID: SURFACE-6 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/02/17 03:58
Analyst: KV
Percent Solids: 71%

Date Collected: 03/29/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 17:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	24.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	32.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	62.	1
2,4-Dinitrotoluene	ND		ug/kg	230	47.	1
2,6-Dinitrotoluene	ND		ug/kg	230	40.	1
Fluoranthene	570		ug/kg	140	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	36.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	40.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	670	210	1
Hexachloroethane	ND		ug/kg	190	38.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	ND		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	34.	1
NDPA/DPA	ND		ug/kg	190	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	36.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	81.	1
Butyl benzyl phthalate	ND		ug/kg	230	59.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	79.	1
Diethyl phthalate	ND		ug/kg	230	22.	1
Dimethyl phthalate	ND		ug/kg	230	49.	1
Benzo(a)anthracene	280		ug/kg	140	26.	1
Benzo(a)pyrene	240		ug/kg	190	57.	1
Benzo(b)fluoranthene	320		ug/kg	140	39.	1
Benzo(k)fluoranthene	120	J	ug/kg	140	37.	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1709602

Project Number: 055.002 **Report Date:** 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-06 Date Collected: 03/29/17 14:00

Client ID: SURFACE-6 032917 Date Received: 03/29/17

Sample Location: 350 NIAGARA ST, BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	290		ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	190	36.	1
Anthracene	59	J	ug/kg	140	45.	1
Benzo(ghi)perylene	160	J	ug/kg	190	27.	1
Fluorene	27	J	ug/kg	230	23.	1
Phenanthrene	320		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	45	J	ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	180	J	ug/kg	190	32.	1
Pyrene	510		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	530	54.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	45.	1
3-Nitroaniline	ND		ug/kg	230	44.	1
4-Nitroaniline	ND		ug/kg	230	96.	1
Dibenzofuran	ND		ug/kg	230	22.	1
2-Methylnaphthalene	ND		ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	29.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
p-Chloro-m-cresol	ND		ug/kg	230	35.	1
2-Chlorophenol	ND		ug/kg	230	28.	1
2,4-Dichlorophenol	ND		ug/kg	210	38.	1
2,4-Dimethylphenol	ND		ug/kg	230	77.	1
2-Nitrophenol	ND		ug/kg	500	88.	1
4-Nitrophenol	ND		ug/kg	330	95.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	610	110	1
Pentachlorophenol	ND		ug/kg	190	51.	1
Phenol	ND		ug/kg	230	35.	1
2-Methylphenol	ND		ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	340	36.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	45.	1
Carbazole	44	J	ug/kg	230	23.	1
Atrazine	ND		ug/kg	190	82.	1
Benzaldehyde	ND		ug/kg	310	63.	1
Caprolactam	ND		ug/kg	230	71.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	230	47.	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-06
Client ID: SURFACE-6 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Date Collected: 03/29/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	678	J	ug/kg			1
Unknown	344	J	ug/kg			1
Unknown Alkane	334	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	67		18-120

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/01/17 11:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/31/17 17:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG990115-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/01/17 11:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/31/17 17:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG990115-1					
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/01/17 11:42
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/31/17 17:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG990115-1					
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	56.
Benzaldehyde	ND		ug/kg	210	44.
Caprolactam	ND		ug/kg	160	49.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	74		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG990115-2 WG990115-3								
Acenaphthene	78		75		31-137	4		50
Hexachlorobenzene	83		80		40-140	4		50
Bis(2-chloroethyl)ether	71		74		40-140	4		50
2-Chloronaphthalene	79		78		40-140	1		50
3,3'-Dichlorobenzidine	50		51		40-140	2		50
2,4-Dinitrotoluene	87		84		40-132	4		50
2,6-Dinitrotoluene	86		83		40-140	4		50
Fluoranthene	81		78		40-140	4		50
4-Chlorophenyl phenyl ether	80		76		40-140	5		50
4-Bromophenyl phenyl ether	83		81		40-140	2		50
Bis(2-chloroisopropyl)ether	72		73		40-140	1		50
Bis(2-chloroethoxy)methane	80		81		40-117	1		50
Hexachlorobutadiene	73		71		40-140	3		50
Hexachlorocyclopentadiene	83		82		40-140	1		50
Hexachloroethane	69		73		40-140	6		50
Isophorone	81		80		40-140	1		50
Naphthalene	73		72		40-140	1		50
Nitrobenzene	82		81		40-140	1		50
NDPA/DPA	82		77		36-157	6		50
n-Nitrosodi-n-propylamine	80		78		32-121	3		50
Bis(2-ethylhexyl)phthalate	84		80		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG990115-2 WG990115-3								
Butyl benzyl phthalate	89		85		40-140	5		50
Di-n-butylphthalate	83		81		40-140	2		50
Di-n-octylphthalate	88		83		40-140	6		50
Diethyl phthalate	82		81		40-140	1		50
Dimethyl phthalate	86		83		40-140	4		50
Benzo(a)anthracene	75		71		40-140	5		50
Benzo(a)pyrene	80		75		40-140	6		50
Benzo(b)fluoranthene	78		74		40-140	5		50
Benzo(k)fluoranthene	78		73		40-140	7		50
Chrysene	74		70		40-140	6		50
Acenaphthylene	84		81		40-140	4		50
Anthracene	77		76		40-140	1		50
Benzo(ghi)perylene	80		76		40-140	5		50
Fluorene	81		77		40-140	5		50
Phenanthrene	78		75		40-140	4		50
Dibenzo(a,h)anthracene	81		77		40-140	5		50
Indeno(1,2,3-cd)pyrene	82		77		40-140	6		50
Pyrene	80		78		35-142	3		50
Biphenyl	85		82		54-104	4		50
4-Chloroaniline	58		66		40-140	32		50
2-Nitroaniline	94		91		47-134	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG990115-2 WG990115-3								
3-Nitroaniline	73		69		26-129	6		50
4-Nitroaniline	92		87		41-125	6		50
Dibenzofuran	78		76		40-140	3		50
2-Methylnaphthalene	77		75		40-140	3		50
1,2,4,5-Tetrachlorobenzene	82		80		40-117	2		50
Acetophenone	82		82		14-144	0		50
2,4,6-Trichlorophenol	89		86		30-130	3		50
p-Chloro-m-cresol	88		84		26-103	5		50
2-Chlorophenol	78		78		25-102	0		50
2,4-Dichlorophenol	87		84		30-130	4		50
2,4-Dimethylphenol	89		87		30-130	2		50
2-Nitrophenol	88		88		30-130	0		50
4-Nitrophenol	98		94		11-114	4		50
2,4-Dinitrophenol	41		39		4-130	5		50
4,6-Dinitro-o-cresol	77		79		10-130	3		50
Pentachlorophenol	84		82		17-109	2		50
Phenol	75		76		26-90	1		50
2-Methylphenol	81		80		30-130.	1		50
3-Methylphenol/4-Methylphenol	83		81		30-130	2		50
2,4,5-Trichlorophenol	88		86		30-130	2		50
Carbazole	79		77		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG990115-2 WG990115-3								
Atrazine	89		87		40-140	2		50
Benzaldehyde	66		69		40-140	4		50
Caprolactam	92		91		15-130	1		50
2,3,4,6-Tetrachlorophenol	88		85		40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		70		25-120
Phenol-d6	74		73		10-120
Nitrobenzene-d5	78		78		23-120
2-Fluorobiphenyl	76		72		30-120
2,4,6-Tribromophenol	81		78		10-136
4-Terphenyl-d14	76		71		18-120

PCBS

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID:	L1709602-01	Date Collected:	03/29/17 13:20
Client ID:	SURFACE-1 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST, BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/31/17 12:43
Analytical Date:	04/01/17 12:29	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	03/31/17
Percent Solids:	74%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.9	3.54	1	A
Aroclor 1221	ND		ug/kg	44.9	4.14	1	A
Aroclor 1232	ND		ug/kg	44.9	5.26	1	A
Aroclor 1242	ND		ug/kg	44.9	5.49	1	A
Aroclor 1248	ND		ug/kg	44.9	3.79	1	A
Aroclor 1254	ND		ug/kg	44.9	3.69	1	A
Aroclor 1260	ND		ug/kg	44.9	3.42	1	A
Aroclor 1262	ND		ug/kg	44.9	2.22	1	A
Aroclor 1268	ND		ug/kg	44.9	6.51	1	A
PCBs, Total	ND		ug/kg	44.9	2.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID:	L1709602-02	Date Collected:	03/29/17 13:30
Client ID:	SURFACE-2 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST, BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/31/17 12:43
Analytical Date:	04/01/17 12:41	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	03/31/17
Percent Solids:	76%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.2	3.41	1	A
Aroclor 1221	ND		ug/kg	43.2	3.98	1	A
Aroclor 1232	ND		ug/kg	43.2	5.06	1	A
Aroclor 1242	ND		ug/kg	43.2	5.28	1	A
Aroclor 1248	ND		ug/kg	43.2	3.64	1	A
Aroclor 1254	ND		ug/kg	43.2	3.55	1	A
Aroclor 1260	16.6	J	ug/kg	43.2	3.29	1	A
Aroclor 1262	ND		ug/kg	43.2	2.14	1	A
Aroclor 1268	ND		ug/kg	43.2	6.26	1	A
PCBs, Total	16.6	J	ug/kg	43.2	2.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID:	L1709602-03	Date Collected:	03/29/17 13:35
Client ID:	SURFACE-3 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST, BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/31/17 12:43
Analytical Date:	04/01/17 14:12	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	04/01/17
Percent Solids:	77%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.0	3.32	1	A
Aroclor 1221	ND		ug/kg	42.0	3.88	1	A
Aroclor 1232	ND		ug/kg	42.0	4.93	1	A
Aroclor 1242	ND		ug/kg	42.0	5.15	1	A
Aroclor 1248	ND		ug/kg	42.0	3.55	1	A
Aroclor 1254	ND		ug/kg	42.0	3.46	1	A
Aroclor 1260	ND		ug/kg	42.0	3.20	1	A
Aroclor 1262	ND		ug/kg	42.0	2.09	1	A
Aroclor 1268	ND		ug/kg	42.0	6.10	1	A
PCBs, Total	ND		ug/kg	42.0	2.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID:	L1709602-04	Date Collected:	03/29/17 13:50
Client ID:	SURFACE-4 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST, BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/31/17 12:43
Analytical Date:	04/01/17 12:54	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	03/31/17
Percent Solids:	74%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.0	3.47	1	A
Aroclor 1221	ND		ug/kg	44.0	4.05	1	A
Aroclor 1232	ND		ug/kg	44.0	5.15	1	A
Aroclor 1242	ND		ug/kg	44.0	5.38	1	A
Aroclor 1248	ND		ug/kg	44.0	3.71	1	A
Aroclor 1254	ND		ug/kg	44.0	3.61	1	A
Aroclor 1260	8.90	J	ug/kg	44.0	3.35	1	B
Aroclor 1262	ND		ug/kg	44.0	2.18	1	A
Aroclor 1268	ND		ug/kg	44.0	6.37	1	A
PCBs, Total	8.90	J	ug/kg	44.0	3.35	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID:	L1709602-05	Date Collected:	03/29/17 13:40
Client ID:	SURFACE-5 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST, BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/31/17 12:43
Analytical Date:	04/01/17 14:29	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	04/01/17
Percent Solids:	82%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.0	3.16	1	A
Aroclor 1221	ND		ug/kg	40.0	3.69	1	A
Aroclor 1232	ND		ug/kg	40.0	4.69	1	A
Aroclor 1242	ND		ug/kg	40.0	4.89	1	A
Aroclor 1248	ND		ug/kg	40.0	3.37	1	A
Aroclor 1254	ND		ug/kg	40.0	3.29	1	A
Aroclor 1260	4.95	J	ug/kg	40.0	3.05	1	B
Aroclor 1262	ND		ug/kg	40.0	1.98	1	A
Aroclor 1268	ND		ug/kg	40.0	5.80	1	A
PCBs, Total	4.95	J	ug/kg	40.0	3.05	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID:	L1709602-06	Date Collected:	03/29/17 14:00
Client ID:	SURFACE-6 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST, BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/31/17 12:43
Analytical Date:	04/01/17 14:45	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	04/01/17
Percent Solids:	71%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.1	3.56	1	A
Aroclor 1221	ND		ug/kg	45.1	4.16	1	A
Aroclor 1232	ND		ug/kg	45.1	5.28	1	A
Aroclor 1242	ND		ug/kg	45.1	5.52	1	A
Aroclor 1248	ND		ug/kg	45.1	3.81	1	A
Aroclor 1254	ND		ug/kg	45.1	3.71	1	A
Aroclor 1260	9.92	J	ug/kg	45.1	3.44	1	B
Aroclor 1262	ND		ug/kg	45.1	2.24	1	A
Aroclor 1268	ND		ug/kg	45.1	6.54	1	A
PCBs, Total	9.92	J	ug/kg	45.1	3.44	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	**29**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/01/17 13:56
Analyst: AF

Extraction Method: EPA 3546
Extraction Date: 03/31/17 12:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/31/17
Cleanup Method: EPA 3660B
Cleanup Date: 03/31/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG990018-1						
Aroclor 1016	ND		ug/kg	33.0	2.61	A
Aroclor 1221	ND		ug/kg	33.0	3.04	A
Aroclor 1232	ND		ug/kg	33.0	3.87	A
Aroclor 1242	ND		ug/kg	33.0	4.04	A
Aroclor 1248	ND		ug/kg	33.0	2.78	A
Aroclor 1254	ND		ug/kg	33.0	2.71	A
Aroclor 1260	ND		ug/kg	33.0	2.51	A
Aroclor 1262	ND		ug/kg	33.0	1.64	A
Aroclor 1268	ND		ug/kg	33.0	4.78	A
PCBs, Total	ND		ug/kg	33.0	1.64	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	59		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG990018-2 WG990018-3									
Aroclor 1016	77		90		40-140	16		50	A
Aroclor 1260	79		85		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		92		30-150	A
Decachlorobiphenyl	70		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		84		30-150	B
Decachlorobiphenyl	71		77		30-150	B

PESTICIDES

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-01
Client ID: SURFACE-1 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/17 19:46
Analyst: RL
Percent Solids: 74%

Date Collected: 03/29/17 13:20
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 16:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.08	0.408	1	A
Lindane	ND		ug/kg	0.869	0.388	1	A
Alpha-BHC	ND		ug/kg	0.869	0.247	1	A
Beta-BHC	ND		ug/kg	2.08	0.791	1	A
Heptachlor	ND		ug/kg	1.04	0.467	1	A
Aldrin	ND		ug/kg	2.08	0.734	1	A
Heptachlor epoxide	ND		ug/kg	3.91	1.17	1	A
Endrin	ND		ug/kg	0.869	0.356	1	A
Endrin aldehyde	ND		ug/kg	2.61	0.912	1	A
Endrin ketone	ND		ug/kg	2.08	0.537	1	A
Dieldrin	ND		ug/kg	1.30	0.652	1	A
4,4'-DDE	ND		ug/kg	2.08	0.482	1	A
4,4'-DDD	ND		ug/kg	2.08	0.744	1	A
4,4'-DDT	ND		ug/kg	3.91	1.68	1	A
Endosulfan I	ND		ug/kg	2.08	0.493	1	A
Endosulfan II	ND	PI	ug/kg	2.08	0.697	1	A
Endosulfan sulfate	ND		ug/kg	0.869	0.414	1	A
Methoxychlor	ND		ug/kg	3.91	1.22	1	A
Toxaphene	ND		ug/kg	39.1	10.9	1	A
cis-Chlordane	ND		ug/kg	2.61	0.726	1	A
trans-Chlordane	ND		ug/kg	2.61	0.688	1	A
Chlordane	ND		ug/kg	16.9	6.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	80		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-01
Client ID: SURFACE-1 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/31/17 21:53
Analyst: DM
Percent Solids: 74%
Methylation Date: 03/31/17 00:03

Date Collected: 03/29/17 13:20
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	225	14.2	1	A
2,4,5-T	ND		ug/kg	225	6.98	1	A
2,4,5-TP (Silvex)	ND		ug/kg	225	5.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	126		30-150	A
DCAA	81		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-02
Client ID: SURFACE-2 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/17 19:58
Analyst: RL
Percent Solids: 76%

Date Collected: 03/29/17 13:30
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 16:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.05	0.402	1	A
Lindane	ND		ug/kg	0.855	0.382	1	A
Alpha-BHC	ND		ug/kg	0.855	0.243	1	A
Beta-BHC	ND		ug/kg	2.05	0.778	1	A
Heptachlor	ND		ug/kg	1.03	0.460	1	A
Aldrin	ND		ug/kg	2.05	0.722	1	A
Heptachlor epoxide	ND		ug/kg	3.85	1.15	1	A
Endrin	ND		ug/kg	0.855	0.350	1	A
Endrin aldehyde	ND		ug/kg	2.56	0.898	1	A
Endrin ketone	ND		ug/kg	2.05	0.528	1	A
Dieldrin	ND		ug/kg	1.28	0.641	1	A
4,4'-DDE	5.29		ug/kg	2.05	0.474	1	B
4,4'-DDD	ND		ug/kg	2.05	0.732	1	B
4,4'-DDT	21.2		ug/kg	3.85	1.65	1	B
Endosulfan I	ND		ug/kg	2.05	0.485	1	A
Endosulfan II	ND		ug/kg	2.05	0.686	1	A
Endosulfan sulfate	ND		ug/kg	0.855	0.407	1	A
Methoxychlor	ND		ug/kg	3.85	1.20	1	A
Toxaphene	ND		ug/kg	38.5	10.8	1	A
cis-Chlordane	ND		ug/kg	2.56	0.715	1	A
trans-Chlordane	ND		ug/kg	2.56	0.677	1	A
Chlordane	ND		ug/kg	16.7	6.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-02
Client ID: SURFACE-2 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/31/17 22:14
Analyst: DM
Percent Solids: 76%
Methylation Date: 03/31/17 00:03

Date Collected: 03/29/17 13:30
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	218	13.7	1	A
2,4,5-T	ND		ug/kg	218	6.76	1	A
2,4,5-TP (Silvex)	ND		ug/kg	218	5.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	119		30-150	A
DCAA	86		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-03
Client ID: SURFACE-3 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/17 20:11
Analyst: RL
Percent Solids: 77%

Date Collected: 03/29/17 13:35
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 16:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.00	0.392	1	A
Lindane	ND		ug/kg	0.835	0.373	1	A
Alpha-BHC	ND		ug/kg	0.835	0.237	1	A
Beta-BHC	ND		ug/kg	2.00	0.760	1	A
Heptachlor	ND		ug/kg	1.00	0.449	1	A
Aldrin	ND		ug/kg	2.00	0.705	1	A
Heptachlor epoxide	ND		ug/kg	3.76	1.13	1	A
Endrin	ND		ug/kg	0.835	0.342	1	A
Endrin aldehyde	ND		ug/kg	2.50	0.876	1	A
Endrin ketone	ND		ug/kg	2.00	0.516	1	A
Dieldrin	ND		ug/kg	1.25	0.626	1	A
4,4'-DDE	1.00	J	ug/kg	2.00	0.463	1	A
4,4'-DDD	ND		ug/kg	2.00	0.714	1	A
4,4'-DDT	3.08	J	ug/kg	3.76	1.61	1	A
Endosulfan I	ND		ug/kg	2.00	0.473	1	A
Endosulfan II	ND		ug/kg	2.00	0.669	1	A
Endosulfan sulfate	ND		ug/kg	0.835	0.397	1	A
Methoxychlor	ND		ug/kg	3.76	1.17	1	A
Toxaphene	ND		ug/kg	37.6	10.5	1	A
cis-Chlordane	ND		ug/kg	2.50	0.698	1	A
trans-Chlordane	ND		ug/kg	2.50	0.661	1	A
Chlordane	ND		ug/kg	16.3	6.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID:	L1709602-03	Date Collected:	03/29/17 13:35
Client ID:	SURFACE-3 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST, BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/30/17 06:19
Analytical Date:	03/31/17 22:36		
Analyst:	DM		
Percent Solids:	77%		
Methylation Date:	03/31/17 00:03		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	216	13.6	1	A
2,4,5-T	ND		ug/kg	216	6.71	1	A
2,4,5-TP (Silvex)	ND		ug/kg	216	5.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	124		30-150	A
DCAA	81		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-04
Client ID: SURFACE-4 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/17 20:24
Analyst: RL
Percent Solids: 74%

Date Collected: 03/29/17 13:50
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 16:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.10	0.410	1	A
Lindane	ND		ug/kg	0.873	0.390	1	A
Alpha-BHC	ND		ug/kg	0.873	0.248	1	A
Beta-BHC	ND		ug/kg	2.10	0.794	1	A
Heptachlor	ND		ug/kg	1.05	0.470	1	A
Aldrin	ND		ug/kg	2.10	0.738	1	A
Heptachlor epoxide	ND		ug/kg	3.93	1.18	1	A
Endrin	ND		ug/kg	0.873	0.358	1	A
Endrin aldehyde	ND		ug/kg	2.62	0.917	1	A
Endrin ketone	ND		ug/kg	2.10	0.540	1	A
Dieldrin	ND		ug/kg	1.31	0.655	1	A
4,4'-DDE	2.92		ug/kg	2.10	0.484	1	A
4,4'-DDD	ND		ug/kg	2.10	0.747	1	A
4,4'-DDT	7.34		ug/kg	3.93	1.68	1	A
Endosulfan I	ND		ug/kg	2.10	0.495	1	A
Endosulfan II	ND	PI	ug/kg	2.10	0.700	1	A
Endosulfan sulfate	ND		ug/kg	0.873	0.416	1	A
Methoxychlor	ND		ug/kg	3.93	1.22	1	A
Toxaphene	ND		ug/kg	39.3	11.0	1	A
cis-Chlordane	ND		ug/kg	2.62	0.730	1	A
trans-Chlordane	ND		ug/kg	2.62	0.691	1	A
Chlordane	ND		ug/kg	17.0	6.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-04
Client ID: SURFACE-4 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/31/17 22:57
Analyst: DM
Percent Solids: 74%
Methylation Date: 03/31/17 00:03

Date Collected: 03/29/17 13:50
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	223	14.1	1	A
2,4,5-T	ND		ug/kg	223	6.92	1	A
2,4,5-TP (Silvex)	ND		ug/kg	223	5.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	116		30-150	A
DCAA	80		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-05
Client ID: SURFACE-5 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/17 20:36
Analyst: RL
Percent Solids: 82%

Date Collected: 03/29/17 13:40
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 16:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.805	0.360	1	A
Alpha-BHC	ND		ug/kg	0.805	0.229	1	A
Beta-BHC	ND		ug/kg	1.93	0.732	1	A
Heptachlor	ND		ug/kg	0.966	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.09	1	A
Endrin	ND		ug/kg	0.805	0.330	1	A
Endrin aldehyde	ND		ug/kg	2.42	0.845	1	A
Endrin ketone	ND		ug/kg	1.93	0.498	1	A
Dieldrin	ND		ug/kg	1.21	0.604	1	A
4,4'-DDE	ND		ug/kg	1.93	0.447	1	A
4,4'-DDD	ND		ug/kg	1.93	0.689	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND	PI	ug/kg	1.93	0.646	1	A
Endosulfan sulfate	ND		ug/kg	0.805	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.13	1	A
Toxaphene	ND		ug/kg	36.2	10.1	1	A
cis-Chlordane	ND		ug/kg	2.42	0.673	1	A
trans-Chlordane	ND		ug/kg	2.42	0.638	1	A
Chlordane	ND		ug/kg	15.7	6.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	83		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID:	L1709602-05	Date Collected:	03/29/17 13:40
Client ID:	SURFACE-5 032917	Date Received:	03/29/17
Sample Location:	350 NIAGARA ST, BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/30/17 06:19
Analytical Date:	03/31/17 23:18		
Analyst:	DM		
Percent Solids:	82%		
Methylation Date:	03/31/17 00:03		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	201	12.7	1	A
2,4,5-T	ND		ug/kg	201	6.24	1	A
2,4,5-TP (Silvex)	ND		ug/kg	201	5.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	126		30-150	A
DCAA	78		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-06
Client ID: SURFACE-6 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/17 20:49
Analyst: RL
Percent Solids: 71%

Date Collected: 03/29/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/31/17 16:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.22	0.434	1	A
Lindane	ND		ug/kg	0.923	0.413	1	A
Alpha-BHC	ND		ug/kg	0.923	0.262	1	A
Beta-BHC	ND		ug/kg	2.22	0.840	1	A
Heptachlor	ND		ug/kg	1.11	0.497	1	A
Aldrin	ND		ug/kg	2.22	0.780	1	A
Heptachlor epoxide	ND		ug/kg	4.15	1.25	1	A
Endrin	ND		ug/kg	0.923	0.378	1	A
Endrin aldehyde	ND		ug/kg	2.77	0.969	1	A
Endrin ketone	ND		ug/kg	2.22	0.570	1	A
Dieldrin	ND		ug/kg	1.38	0.692	1	A
4,4'-DDE	6.42		ug/kg	2.22	0.512	1	A
4,4'-DDD	ND		ug/kg	2.22	0.790	1	A
4,4'-DDT	9.42		ug/kg	4.15	1.78	1	B
Endosulfan I	ND		ug/kg	2.22	0.523	1	A
Endosulfan II	ND	PI	ug/kg	2.22	0.740	1	A
Endosulfan sulfate	ND		ug/kg	0.923	0.439	1	A
Methoxychlor	ND		ug/kg	4.15	1.29	1	A
Toxaphene	ND		ug/kg	41.5	11.6	1	A
cis-Chlordane	ND		ug/kg	2.77	0.772	1	A
trans-Chlordane	ND		ug/kg	2.77	0.731	1	A
Chlordane	ND		ug/kg	18.0	7.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-06
Client ID: SURFACE-6 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/31/17 23:39
Analyst: DM
Percent Solids: 71%
Methylation Date: 03/31/17 00:03

Date Collected: 03/29/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	232	14.6	1	A
2,4,5-T	ND		ug/kg	232	7.18	1	A
2,4,5-TP (Silvex)	ND		ug/kg	232	6.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	77		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/31/17 17:17
Analyst: DM

Extraction Method: EPA 8151A
Extraction Date: 03/30/17 06:19

Methylation Date: 03/30/17 00:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06 Batch: WG989449-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	64		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/02/17 19:08
Analyst: RL

Extraction Method: EPA 3546
Extraction Date: 03/31/17 16:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG990093-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.635	0.284	A
Alpha-BHC	ND		ug/kg	0.635	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.762	0.342	A
Aldrin	ND		ug/kg	1.52	0.536	A
Heptachlor epoxide	ND		ug/kg	2.86	0.857	A
Endrin	ND		ug/kg	0.635	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.667	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.952	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.543	A
4,4'-DDT	ND		ug/kg	2.86	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.509	A
Endosulfan sulfate	ND		ug/kg	0.635	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.889	A
Toxaphene	ND		ug/kg	28.6	8.00	A
cis-Chlordane	ND		ug/kg	1.90	0.531	A
trans-Chlordane	ND		ug/kg	1.90	0.503	A
Chlordane	ND		ug/kg	12.4	5.05	A

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/02/17 19:08
Analyst: RL

Extraction Method: EPA 3546
Extraction Date: 03/31/17 16:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/17

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG990093-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	88		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG989449-2 WG989449-3									
2,4-D	80		78		30-150	3		30	A
2,4,5-T	80		78		30-150	3		30	A
2,4,5-TP (Silvex)	76		74		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		88		30-150	A
DCAA	73		71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG990093-2 WG990093-3									
Delta-BHC	99		98		30-150	1		30	A
Lindane	95		94		30-150	1		30	A
Alpha-BHC	98		99		30-150	1		30	A
Beta-BHC	101		105		30-150	4		30	A
Heptachlor	97		97		30-150	0		30	A
Aldrin	90		88		30-150	2		30	A
Heptachlor epoxide	94		92		30-150	2		30	A
Endrin	99		98		30-150	1		30	A
Endrin aldehyde	86		82		30-150	5		30	A
Endrin ketone	109		104		30-150	5		30	A
Dieldrin	104		101		30-150	3		30	A
4,4'-DDE	99		96		30-150	3		30	A
4,4'-DDD	101		100		30-150	1		30	A
4,4'-DDT	106		100		30-150	6		30	A
Endosulfan I	95		92		30-150	3		30	A
Endosulfan II	101		96		30-150	5		30	A
Endosulfan sulfate	99		96		30-150	3		30	A
Methoxychlor	104		94		30-150	10		30	A
cis-Chlordane	94		91		30-150	3		30	A
trans-Chlordane	85		88		30-150	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG990093-2 WG990093-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		102		30-150	B
Decachlorobiphenyl	90		80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		99		30-150	A
Decachlorobiphenyl	96		84		30-150	A

METALS

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-01
Client ID: SURFACE-1 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 03/29/17 13:20
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7300		mg/kg	11	2.9	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Antimony, Total	ND		mg/kg	5.4	0.41	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Arsenic, Total	6.7		mg/kg	1.1	0.22	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Barium, Total	110		mg/kg	1.1	0.19	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Beryllium, Total	0.36	J	mg/kg	0.54	0.04	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Cadmium, Total	0.19	J	mg/kg	1.1	0.10	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Calcium, Total	30000		mg/kg	11	3.8	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Chromium, Total	13		mg/kg	1.1	0.10	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Cobalt, Total	5.6		mg/kg	2.2	0.18	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Copper, Total	24		mg/kg	1.1	0.28	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Iron, Total	13000		mg/kg	5.4	0.97	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Lead, Total	300		mg/kg	5.4	0.29	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Magnesium, Total	7000		mg/kg	11	1.6	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Manganese, Total	340		mg/kg	1.1	0.17	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Mercury, Total	0.39		mg/kg	0.09	0.02	1	03/31/17 05:55	04/01/17 15:30	EPA 7471B	1,7471B	BV
Nickel, Total	14		mg/kg	2.7	0.26	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Potassium, Total	1000		mg/kg	270	15.	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Selenium, Total	0.58	J	mg/kg	2.2	0.28	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Silver, Total	ND		mg/kg	1.1	0.30	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Sodium, Total	72	J	mg/kg	220	3.4	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Thallium, Total	ND		mg/kg	2.2	0.34	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Vanadium, Total	16		mg/kg	1.1	0.22	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM
Zinc, Total	160		mg/kg	5.4	0.32	2	03/30/17 15:00	04/04/17 11:56	EPA 3050B	1,6010C	AM

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-02
Client ID: SURFACE-2 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Percent Solids: 76%

Date Collected: 03/29/17 13:30
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6000		mg/kg	10	2.8	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Antimony, Total	ND		mg/kg	5.2	0.39	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Arsenic, Total	8.2		mg/kg	1.0	0.22	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Barium, Total	120		mg/kg	1.0	0.18	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Beryllium, Total	0.25	J	mg/kg	0.52	0.03	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Cadmium, Total	1.0		mg/kg	1.0	0.10	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Calcium, Total	39000		mg/kg	10	3.6	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Chromium, Total	14		mg/kg	1.0	0.10	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Cobalt, Total	5.1		mg/kg	2.1	0.17	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Copper, Total	42		mg/kg	1.0	0.27	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Iron, Total	12000		mg/kg	5.2	0.94	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Lead, Total	800		mg/kg	5.2	0.28	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Magnesium, Total	7300		mg/kg	10	1.6	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Manganese, Total	310		mg/kg	1.0	0.16	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Mercury, Total	0.35		mg/kg	0.09	0.02	1	03/31/17 05:55	04/01/17 15:31	EPA 7471B	1,7471B	BV
Nickel, Total	14		mg/kg	2.6	0.25	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Potassium, Total	960		mg/kg	260	15.	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Selenium, Total	ND		mg/kg	2.1	0.27	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Silver, Total	ND		mg/kg	1.0	0.29	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Sodium, Total	75	J	mg/kg	210	3.3	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Thallium, Total	ND		mg/kg	2.1	0.33	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Vanadium, Total	15		mg/kg	1.0	0.21	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM
Zinc, Total	390		mg/kg	5.2	0.30	2	03/30/17 15:00	04/04/17 12:00	EPA 3050B	1,6010C	AM

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-03
Client ID: SURFACE-3 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Percent Solids: 77%

Date Collected: 03/29/17 13:35
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5500		mg/kg	10	2.7	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Antimony, Total	ND		mg/kg	5.1	0.38	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Arsenic, Total	4.4		mg/kg	1.0	0.21	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Barium, Total	84		mg/kg	1.0	0.18	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Beryllium, Total	0.20	J	mg/kg	0.51	0.03	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Cadmium, Total	0.18	J	mg/kg	1.0	0.10	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Calcium, Total	26000		mg/kg	10	3.6	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Chromium, Total	10		mg/kg	1.0	0.10	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Cobalt, Total	4.8		mg/kg	2.0	0.17	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Copper, Total	20		mg/kg	1.0	0.26	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Iron, Total	12000		mg/kg	5.1	0.92	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Lead, Total	250		mg/kg	5.1	0.27	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Magnesium, Total	10000		mg/kg	10	1.6	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Manganese, Total	310		mg/kg	1.0	0.16	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Mercury, Total	0.23		mg/kg	0.08	0.02	1	03/31/17 05:55	04/01/17 15:33	EPA 7471B	1,7471B	BV
Nickel, Total	11		mg/kg	2.5	0.24	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Potassium, Total	960		mg/kg	250	15.	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Selenium, Total	ND		mg/kg	2.0	0.26	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Silver, Total	ND		mg/kg	1.0	0.29	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Sodium, Total	68	J	mg/kg	200	3.2	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Thallium, Total	ND		mg/kg	2.0	0.32	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Vanadium, Total	14		mg/kg	1.0	0.21	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM
Zinc, Total	140		mg/kg	5.1	0.30	2	03/30/17 15:00	04/04/17 12:36	EPA 3050B	1,6010C	AM

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-04
Client ID: SURFACE-4 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 03/29/17 13:50
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7400		mg/kg	10	2.8	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Antimony, Total	ND		mg/kg	5.1	0.39	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Arsenic, Total	7.0		mg/kg	1.0	0.21	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Barium, Total	170		mg/kg	1.0	0.18	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Beryllium, Total	0.32	J	mg/kg	0.51	0.03	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Cadmium, Total	0.54	J	mg/kg	1.0	0.10	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Calcium, Total	18000		mg/kg	10	3.6	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Chromium, Total	15		mg/kg	1.0	0.10	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Cobalt, Total	5.7		mg/kg	2.0	0.17	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Copper, Total	44		mg/kg	1.0	0.26	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Iron, Total	14000		mg/kg	5.1	0.92	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Lead, Total	470		mg/kg	5.1	0.27	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Magnesium, Total	6300		mg/kg	10	1.6	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Manganese, Total	340		mg/kg	1.0	0.16	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Mercury, Total	0.65		mg/kg	0.09	0.02	1	03/31/17 05:55	04/01/17 15:35	EPA 7471B	1,7471B	BV
Nickel, Total	14		mg/kg	2.6	0.25	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Potassium, Total	1100		mg/kg	260	15.	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Selenium, Total	0.83	J	mg/kg	2.0	0.26	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Silver, Total	ND		mg/kg	1.0	0.29	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Sodium, Total	61	J	mg/kg	200	3.2	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Thallium, Total	ND		mg/kg	2.0	0.32	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Vanadium, Total	18		mg/kg	1.0	0.21	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM
Zinc, Total	260		mg/kg	5.1	0.30	2	03/30/17 15:00	04/04/17 12:40	EPA 3050B	1,6010C	AM

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-05
Client ID: SURFACE-5 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 03/29/17 13:40
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5900		mg/kg	9.6	2.6	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Antimony, Total	ND		mg/kg	4.8	0.36	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Arsenic, Total	4.7		mg/kg	0.96	0.20	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Barium, Total	54		mg/kg	0.96	0.17	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Beryllium, Total	0.21	J	mg/kg	0.48	0.03	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Cadmium, Total	ND		mg/kg	0.96	0.09	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Calcium, Total	64000		mg/kg	9.6	3.3	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Chromium, Total	10		mg/kg	0.96	0.09	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Cobalt, Total	5.2		mg/kg	1.9	0.16	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Copper, Total	25		mg/kg	0.96	0.25	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Iron, Total	13000		mg/kg	4.8	0.86	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Lead, Total	68		mg/kg	4.8	0.26	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Magnesium, Total	12000		mg/kg	9.6	1.5	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Manganese, Total	310		mg/kg	0.96	0.15	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Mercury, Total	0.09		mg/kg	0.08	0.02	1	03/31/17 05:55	04/01/17 15:37	EPA 7471B	1,7471B	BV
Nickel, Total	12		mg/kg	2.4	0.23	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Potassium, Total	1000		mg/kg	240	14.	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Selenium, Total	0.41	J	mg/kg	1.9	0.25	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Silver, Total	ND		mg/kg	0.96	0.27	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Sodium, Total	91	J	mg/kg	190	3.0	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Thallium, Total	ND		mg/kg	1.9	0.30	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Vanadium, Total	14		mg/kg	0.96	0.19	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM
Zinc, Total	81		mg/kg	4.8	0.28	2	03/30/17 15:00	04/04/17 12:44	EPA 3050B	1,6010C	AM

Project Name: RITE-AID - BUFFALO
Lab Number: L1709602
Project Number: 055.002
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-06
Client ID: SURFACE-6 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Percent Solids: 71%

Date Collected: 03/29/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7000		mg/kg	11	3.0	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Antimony, Total	ND		mg/kg	5.5	0.42	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Arsenic, Total	5.8		mg/kg	1.1	0.23	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Barium, Total	130		mg/kg	1.1	0.19	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Beryllium, Total	0.32	J	mg/kg	0.55	0.04	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Cadmium, Total	0.36	J	mg/kg	1.1	0.11	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Calcium, Total	10000		mg/kg	11	3.8	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Chromium, Total	16		mg/kg	1.1	0.10	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Cobalt, Total	5.1		mg/kg	2.2	0.18	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Copper, Total	36		mg/kg	1.1	0.28	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Iron, Total	14000		mg/kg	5.5	0.99	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Lead, Total	250		mg/kg	5.5	0.29	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Magnesium, Total	5100		mg/kg	11	1.7	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Manganese, Total	280		mg/kg	1.1	0.17	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Mercury, Total	0.32		mg/kg	0.09	0.02	1	03/31/17 05:55	04/01/17 15:39	EPA 7471B	1,7471B	BV
Nickel, Total	13		mg/kg	2.7	0.26	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Potassium, Total	780		mg/kg	270	16.	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Selenium, Total	ND		mg/kg	2.2	0.28	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Silver, Total	ND		mg/kg	1.1	0.31	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Sodium, Total	51	J	mg/kg	220	3.4	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Thallium, Total	ND		mg/kg	2.2	0.34	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Vanadium, Total	17		mg/kg	1.1	0.22	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM
Zinc, Total	180		mg/kg	5.5	0.32	2	03/30/17 15:00	04/04/17 12:48	EPA 3050B	1,6010C	AM

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG989532-1										
Aluminum, Total	ND		mg/kg	20	5.4	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Antimony, Total	ND		mg/kg	10	0.76	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Arsenic, Total	ND		mg/kg	2.0	0.42	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Barium, Total	ND		mg/kg	2.0	0.35	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Beryllium, Total	ND		mg/kg	1.0	0.07	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Cadmium, Total	ND		mg/kg	2.0	0.20	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Calcium, Total	ND		mg/kg	20	7.0	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Chromium, Total	ND		mg/kg	2.0	0.19	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Cobalt, Total	ND		mg/kg	4.0	0.33	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Copper, Total	ND		mg/kg	2.0	0.52	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Iron, Total	ND		mg/kg	10	1.8	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Lead, Total	ND		mg/kg	10	0.54	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Magnesium, Total	ND		mg/kg	20	3.1	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Manganese, Total	ND		mg/kg	2.0	0.32	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Nickel, Total	ND		mg/kg	5.0	0.48	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Potassium, Total	ND		mg/kg	500	29.	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Selenium, Total	ND		mg/kg	4.0	0.52	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Silver, Total	ND		mg/kg	2.0	0.57	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Sodium, Total	ND		mg/kg	400	6.3	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Thallium, Total	ND		mg/kg	4.0	0.63	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Vanadium, Total	ND		mg/kg	2.0	0.41	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS
Zinc, Total	ND		mg/kg	10	0.59	1	03/30/17 15:00	04/04/17 10:30	1,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG989819-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/31/17 03:22	04/01/17 14:54	1,7471B	BV

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG989532-2 SRM Lot Number: D091-540								
Aluminum, Total	70		-		52-148	-		
Antimony, Total	146		-		1-200	-		
Arsenic, Total	103		-		80-121	-		
Barium, Total	91		-		84-117	-		
Beryllium, Total	94		-		83-117	-		
Cadmium, Total	100		-		83-117	-		
Calcium, Total	86		-		81-118	-		
Chromium, Total	98		-		80-119	-		
Cobalt, Total	97		-		84-115	-		
Copper, Total	98		-		82-117	-		
Iron, Total	93		-		47-154	-		
Lead, Total	103		-		82-118	-		
Magnesium, Total	87		-		77-123	-		
Manganese, Total	87		-		82-118	-		
Nickel, Total	101		-		83-117	-		
Potassium, Total	83		-		72-128	-		
Selenium, Total	96		-		79-121	-		
Silver, Total	102		-		75-124	-		
Sodium, Total	82		-		73-126	-		
Thallium, Total	99		-		80-121	-		
Vanadium, Total	96		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG989532-2 SRM Lot Number: D091-540					
Zinc, Total	98	-	82-118	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG989819-2 SRM Lot Number: D091-540					
Mercury, Total	106	-	72-128	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG989532-3 WG989532-4 QC Sample: L1709552-05 Client ID: MS Sample												
Aluminum, Total	9000	191	10000	**524**	Q	11000	**1040**	Q	75-125	10		20
Antimony, Total	ND	47.7	35	**73**	Q	39	81		75-125	11		20
Arsenic, Total	2.8	11.4	14	98		14	97		75-125	0		20
Barium, Total	58.	191	210	80		240	94		75-125	13		20
Beryllium, Total	0.30J	4.77	4.2	88		4.4	91		75-125	5		20
Cadmium, Total	ND	4.86	3.8	78		4.0	81		75-125	5		20
Calcium, Total	59000	954	61000	**210**	Q	65000	**623**	Q	75-125	6		20
Chromium, Total	14.	19.1	31	89		32	93		75-125	3		20
Cobalt, Total	7.9	47.7	45	78		47	81		75-125	4		20
Copper, Total	16.	23.8	38	92		40	100		75-125	5		20
Iron, Total	17000	95.4	19000	**2100**	Q	19000	**2080**	Q	75-125	0		20
Lead, Total	12.	48.6	52	82		54	85		75-125	4		20
Magnesium, Total	20000	954	21000	105		23000	**311**	Q	75-125	9		20
Manganese, Total	440	47.7	480	84		520	**166**	Q	75-125	8		20
Nickel, Total	16.	47.7	54	80		57	85		75-125	5		20
Potassium, Total	1300	954	2400	115		2500	124		75-125	4		20
Selenium, Total	ND	11.4	9.8	86		10	86		75-125	2		20
Silver, Total	ND	28.6	26	91		28	97		75-125	7		20
Sodium, Total	370	954	1300	98		1300	96		75-125	0		20
Thallium, Total	ND	11.4	8.2	**72**	Q	8.6	**74**	Q	75-125	5		20
Vanadium, Total	20.	47.7	62	88		65	93		75-125	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG989532-3 WG989532-4 QC Sample: L1709552-05 Client ID: MS Sample											
Zinc, Total	56.	47.7	96	84		98	87		75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG989819-3 WG989819-4 QC Sample: L1709552-05 Client ID: MS Sample											
Mercury, Total	0.03J	0.154	0.19	**124**	Q	0.21	**127**	Q	80-120	10	20

INORGANICS
&
MISCELLANEOUS

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-01
Client ID: SURFACE-1 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil

Date Collected: 03/29/17 13:20
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.5		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	0.24	J	mg/kg	1.3	0.21	1	03/30/17 10:40	03/30/17 15:09	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709602
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-02
Client ID: SURFACE-2 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil
Date Collected: 03/29/17 13:30
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.5		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	0.32	J	mg/kg	1.2	0.20	1	03/30/17 10:40	03/30/17 15:39	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-03
Client ID: SURFACE-3 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil

Date Collected: 03/29/17 13:35
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.6		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	0.66	J	mg/kg	1.2	0.20	1	03/30/17 10:40	03/30/17 15:10	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-04
Client ID: SURFACE-4 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil

Date Collected: 03/29/17 13:50
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.8		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	0.65	J	mg/kg	1.3	0.21	1	03/30/17 10:40	03/30/17 15:11	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-05
Client ID: SURFACE-5 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil

Date Collected: 03/29/17 13:40
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	0.40	J	mg/kg	1.2	0.20	1	03/30/17 11:30	03/30/17 15:39	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

SAMPLE RESULTS

Lab ID: L1709602-06
Client ID: SURFACE-6 032917
Sample Location: 350 NIAGARA ST, BUFFALO, NY
Matrix: Soil

Date Collected: 03/29/17 14:00
Date Received: 03/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.8		%	0.100	NA	1	-	03/30/17 09:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.22	1	03/30/17 10:40	03/30/17 15:32	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1709602
Report Date: 04/05/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG989509-1										
Cyanide, Total	ND		mg/kg	0.99	0.16	1	03/30/17 10:40	03/30/17 14:49	1,9010C/9012B	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1709602

Report Date: 04/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG989509-2 WG989509-3								
Cyanide, Total	**134**	Q	85		80-120	**45**	Q	35

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG989509-4 WG989509-5 QC Sample: L1709602-05 Client ID: SURFACE-5 032917												
Cyanide, Total	0.40J	12	11	90		11	93		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG989523-1 QC Sample: L1709552-05 Client ID: DUP Sample						
Solids, Total	81.6	81.5	%	0		20

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1709602-01A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709602-01B	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709602-02A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709602-02B	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709602-03A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709602-03B	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1709602
Report Date: 04/05/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1709602-04A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709602-04B	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709602-05A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709602-05B	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1709602-06A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.6	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1709602-06B	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name:	RITE-AID - BUFFALO	**Lab Number:**	L1709602
Project Number:	055.002	**Report Date:**	04/05/17

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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

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

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	RITE-AID - BUFFALO	**Lab Number:**	L1709602
Project Number:	055.002	**Report Date:**	04/05/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

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.

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:	RITE-AID - BUFFALO	**Lab Number:**	L1709602
Project Number:	055.002	**Report Date:**	04/05/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/30/17

ALPHA Job #: L1709602

Client Information

Client: Leader Professional Services
Address: 271 Marsh Rd, Suite #2
Pittsford, NY
Phone: 585-248-2413
Fax:
Email: Pvanschenckdorf@leaderlink.com

Project Information

Project Name: Rite-Aid Buffalo
Project Location: 350 Niagara St Buffalo, NY
Project # 055-002
(Use Project name as Project #) ☐
Project Manager: Pete van Schenckdorf
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ 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	SVOCs + 20 TICs	Pesticides & Herbicides	PCBs	TAL Metals Hg + Cyanide					Sample Specific Comments	Total Bottles
09602-01	Surface-1 032917	3/29/17	1320	S	MK	X	X	X	X						2
02	Surface-2 032917		1330			X	X	X	X						2
03	Surface-3 032917		1335			X	X	X	X						2
04	Surface-4 032917		1350			X	X	X	X						2
05	Surface-5 032917		1340			X	X	X	X						2
06	Surface-6 032917		1400			X	X	X	X						2
Container Type						A	A	A	A						
Preservative						A	A	A	A						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
MK	3/29/17 1610	MK	3.29.17 1610
MK	3.24.17 1610	Danielle Matt	3/30/17 01:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1710105
Client:	Leader Professional Services, Inc. 271 Marsh Road, Suite 2 Pittsford, NY 14534
ATTN:	Peter Von Schondorf
Phone:	(585) 248-2413
Project Name:	RITE AID BUFFALO
Project Number:	855.002
Report Date:	04/10/17

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1710105-01	TP-1 (8) 033017	SOIL	350 NIAGARA ST. BUFFALO, NY	03/30/17 10:30	04/03/17
L1710105-02	TP-2 (6) 033017	SOIL	350 NIAGARA ST. BUFFALO, NY	03/30/17 12:20	04/03/17
L1710105-03	TP-3 (8) 033017	SOIL	350 NIAGARA ST. BUFFALO, NY	03/30/17 12:50	04/03/17
L1710105-04	TP-4 (5) 033017	SOIL	350 NIAGARA ST. BUFFALO, NY	03/30/17 14:05	04/03/17
L1710105-05	TP-5 (8) 033017	SOIL	350 NIAGARA ST. BUFFALO, NY	03/30/17 14:50	04/03/17
L1710105-06	TP-6 (8) 033017	SOIL	350 NIAGARA ST. BUFFALO, NY	03/30/17 15:30	04/03/17

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC 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. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

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

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

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

Case Narrative (continued)

Report Submission

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

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Metals

L1710105-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

L1710105-01 and -03: The sample has an elevated detection limit due to the dilution required by the sample matrix.

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

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/10/17

ORGANICS

VOLATILES

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01
Client ID: TP-1 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/06/17 16:54
Analyst: MV
Percent Solids: 85%

Date Collected: 03/30/17 10:30
Date Received: 04/03/17
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	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.36	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.40	1
Bromodichloromethane	ND		ug/kg	1.1	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	0.67	J	ug/kg	5.7	0.50	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.21	1

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01
Client ID: TP-1 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/30/17 10:30
Date Received: 04/03/17
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	0.17	1
p/m-Xylene	ND		ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.39	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.57	1
Acetone	4.2	J	ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.40	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.24	1
Methyl Acetate	ND		ug/kg	23	0.53	1
Cyclohexane	ND		ug/kg	23	0.49	1
1,4-Dioxane	ND		ug/kg	45	16.	1
Freon-113	ND		ug/kg	23	0.58	1
Methyl cyclohexane	ND		ug/kg	4.5	0.27	1

Tentatively Identified Compounds				
Total TIC Compounds	10.1	J	ug/kg	1
Unknown	6.07	J	ug/kg	1
Unknown	4.00	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-02
Client ID: TP-2 (6) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/06/17 17:21
Analyst: MV
Percent Solids: 83%

Date Collected: 03/30/17 12:20
Date Received: 04/03/17
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	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.30	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.40	1
Bromodichloromethane	ND		ug/kg	1.1	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.6	0.49	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.20	1

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-02
Client ID: TP-2 (6) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/30/17 12:20
Date Received: 04/03/17
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	0.17	1
p/m-Xylene	ND		ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.39	1
Styrene	ND		ug/kg	2.3	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.56	1
Acetone	ND		ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
2-Hexanone	ND		ug/kg	11	0.75	1
Bromochloromethane	ND		ug/kg	5.6	0.40	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.24	1
Methyl Acetate	ND		ug/kg	23	0.52	1
Cyclohexane	ND		ug/kg	23	0.49	1
1,4-Dioxane	ND		ug/kg	45	16.	1
Freon-113	ND		ug/kg	23	0.58	1
Methyl cyclohexane	ND		ug/kg	4.5	0.27	1

Tentatively Identified Compounds				
Total TIC Compounds	6.29	J	ug/kg	1
Unknown	2.84	J	ug/kg	1
Unknown	3.45	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-03
Client ID: TP-3 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/06/17 17:49
Analyst: MV
Percent Solids: 76%

Date Collected: 03/30/17 12:50
Date Received: 04/03/17
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	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.42	1
Bromodichloromethane	ND		ug/kg	1.2	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Benzene	ND		ug/kg	1.2	0.23	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.1	0.53	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.38	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.45	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.29	1
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.22	1

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-03
Client ID: TP-3 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/30/17 12:50
Date Received: 04/03/17
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	0.19	1
p/m-Xylene	ND		ug/kg	2.4	0.43	1
o-Xylene	ND		ug/kg	2.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.42	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.61	1
Acetone	84		ug/kg	12	2.8	1
Carbon disulfide	2.1	J	ug/kg	12	1.3	1
2-Butanone	7.3	J	ug/kg	12	0.84	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.43	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.26	1
Methyl Acetate	ND		ug/kg	24	0.56	1
Cyclohexane	ND		ug/kg	24	0.53	1
1,4-Dioxane	ND		ug/kg	49	18.	1
Freon-113	ND		ug/kg	24	0.62	1
Methyl cyclohexane	ND		ug/kg	4.9	0.29	1

Tentatively Identified Compounds				
Total TIC Compounds	2.66	J	ug/kg	1
Unknown	2.66	J	ug/kg	1

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

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04
Client ID: TP-4 (5) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/06/17 18:16
Analyst: MV
Percent Solids: 87%

Date Collected: 03/30/17 14:05
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	9.9	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.27	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	0.99	0.34	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	0.99	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	0.99	0.30	1
Chlorobenzene	ND		ug/kg	0.99	0.34	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.41	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.99	0.35	1
Bromodichloromethane	ND		ug/kg	0.99	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	0.99	0.23	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.99	0.30	1
Benzene	ND		ug/kg	0.99	0.19	1
Toluene	ND		ug/kg	1.5	0.19	1
Ethylbenzene	ND		ug/kg	0.99	0.17	1
Chloromethane	ND		ug/kg	5.0	0.43	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.31	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24	1
Trichloroethene	ND		ug/kg	0.99	0.30	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04 Date Collected: 03/30/17 14:05

Client ID: TP-4 (5) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.15	1
p/m-Xylene	ND		ug/kg	2.0	0.35	1
o-Xylene	ND		ug/kg	2.0	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.34	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.50	1
Acetone	ND		ug/kg	9.9	2.3	1
Carbon disulfide	ND		ug/kg	9.9	1.1	1
2-Butanone	ND		ug/kg	9.9	0.68	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	0.24	1
2-Hexanone	ND		ug/kg	9.9	0.66	1
Bromochloromethane	ND		ug/kg	5.0	0.35	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.39	1
Isopropylbenzene	ND		ug/kg	0.99	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.21	1
Methyl Acetate	ND		ug/kg	20	0.46	1
Cyclohexane	ND		ug/kg	20	0.43	1
1,4-Dioxane	ND		ug/kg	40	14.	1
Freon-113	ND		ug/kg	20	0.51	1
Methyl cyclohexane	ND		ug/kg	4.0	0.24	1

Tentatively Identified Compounds				
Total TIC Compounds	7.65	J	ug/kg	1
Unknown	4.28	J	ug/kg	1
Unknown	3.37	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	99		70-130

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-05
Client ID: TP-5 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/06/17 18:44
Analyst: MV
Percent Solids: 74%

Date Collected: 03/30/17 14:50
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.34	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.44	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.39	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.53	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.45	1
Bromodichloromethane	ND		ug/kg	1.3	0.39	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.30	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.38	1
Benzene	ND		ug/kg	1.3	0.25	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.22	1
Chloromethane	ND		ug/kg	6.4	0.56	1
Bromomethane	ND		ug/kg	2.6	0.43	1
Vinyl chloride	ND		ug/kg	2.6	0.40	1
Chloroethane	ND		ug/kg	2.6	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.48	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.31	1
Trichloroethene	ND		ug/kg	1.3	0.39	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.23	1

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-05
Client ID: TP-5 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/30/17 14:50
Date Received: 04/03/17
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	2.6	0.20	1
p/m-Xylene	ND		ug/kg	2.6	0.45	1
o-Xylene	ND		ug/kg	2.6	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.44	1
Styrene	ND		ug/kg	2.6	0.51	1
Dichlorodifluoromethane	ND		ug/kg	13	0.64	1
Acetone	ND		ug/kg	13	2.9	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
2-Hexanone	ND		ug/kg	13	0.85	1
Bromochloromethane	ND		ug/kg	6.4	0.46	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.51	1
Isopropylbenzene	ND		ug/kg	1.3	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.27	1
Methyl Acetate	ND		ug/kg	26	0.59	1
Cyclohexane	ND		ug/kg	26	0.55	1
1,4-Dioxane	ND		ug/kg	51	18.	1
Freon-113	ND		ug/kg	26	0.66	1
Methyl cyclohexane	ND		ug/kg	5.1	0.31	1

Tentatively Identified Compounds				
Total TIC Compounds	5.28	J	ug/kg	1
Unknown	2.62	J	ug/kg	1
Unknown	2.66	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-06
Client ID: TP-6 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/06/17 19:11
Analyst: MV
Percent Solids: 78%

Date Collected: 03/30/17 15:30
Date Received: 04/03/17
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	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.42	1
Bromodichloromethane	ND		ug/kg	1.2	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Benzene	ND		ug/kg	1.2	0.23	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.1	0.53	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.38	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.45	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.29	1
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.22	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-06 Date Collected: 03/30/17 15:30

Client ID: TP-6 (8) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.18	1
p/m-Xylene	ND		ug/kg	2.4	0.42	1
o-Xylene	ND		ug/kg	2.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.41	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.61	1
Acetone	ND		ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.84	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.43	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.26	1
Methyl Acetate	ND		ug/kg	24	0.56	1
Cyclohexane	ND		ug/kg	24	0.52	1
1,4-Dioxane	ND		ug/kg	48	17.	1
Freon-113	ND		ug/kg	24	0.62	1
Methyl cyclohexane	ND		ug/kg	4.8	0.29	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/17 11:23
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG991992-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	0.96	J	ug/kg	5.0	0.44
Bromomethane	1.0	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/17 11:23
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG991992-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	3.4	J	ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Tentatively Identified Compounds			
Total TIC Compounds	6.15	J	ug/kg
Unknown	3.41	J	ug/kg

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/17 11:23
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG991992-5					
Tentatively Identified Compounds					
Unknown	2.74	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG991992-3 WG991992-4								
Methylene chloride	77		75		70-130	3		30
1,1-Dichloroethane	113		111		70-130	2		30
Chloroform	104		102		70-130	2		30
Carbon tetrachloride	103		105		70-130	2		30
1,2-Dichloropropane	117		114		70-130	3		30
Dibromochloromethane	109		110		70-130	1		30
1,1,2-Trichloroethane	117		115		70-130	2		30
Tetrachloroethene	113		111		70-130	2		30
Chlorobenzene	113		111		70-130	2		30
Trichlorofluoromethane	99		98		70-139	1		30
1,2-Dichloroethane	102		99		70-130	3		30
1,1,1-Trichloroethane	104		103		70-130	1		30
Bromodichloromethane	102		103		70-130	1		30
trans-1,3-Dichloropropene	115		116		70-130	1		30
cis-1,3-Dichloropropene	111		111		70-130	0		30
Bromoform	99		100		70-130	1		30
1,1,2,2-Tetrachloroethane	124		119		70-130	4		30
Benzene	112		109		70-130	3		30
Toluene	114		111		70-130	3		30
Ethylbenzene	113		111		70-130	2		30
Chloromethane	120		119		52-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG991992-3 WG991992-4								
Bromomethane	88		87		57-147	1		30
Vinyl chloride	111		108		67-130	3		30
Chloroethane	96		94		50-151	2		30
1,1-Dichloroethene	115		113		65-135	2		30
trans-1,2-Dichloroethene	111		109		70-130	2		30
Trichloroethene	107		105		70-130	2		30
1,2-Dichlorobenzene	111		108		70-130	3		30
1,3-Dichlorobenzene	112		109		70-130	3		30
1,4-Dichlorobenzene	112		108		70-130	4		30
Methyl tert butyl ether	107		105		66-130	2		30
p/m-Xylene	114		112		70-130	2		30
o-Xylene	112		110		70-130	2		30
cis-1,2-Dichloroethene	109		108		70-130	1		30
Styrene	112		111		70-130	1		30
Dichlorodifluoromethane	104		101		30-146	3		30
Acetone	112		106		54-140	6		30
Carbon disulfide	112		115		59-130	3		30
2-Butanone	108		104		70-130	4		30
4-Methyl-2-pentanone	130		128		70-130	2		30
2-Hexanone	125		120		70-130	4		30
Bromochloromethane	108		106		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG991992-3 WG991992-4								
1,2-Dibromoethane	114		112		70-130	2		30
1,2-Dibromo-3-chloropropane	106		106		68-130	0		30
Isopropylbenzene	115		111		70-130	4		30
1,2,3-Trichlorobenzene	113		111		70-130	2		30
1,2,4-Trichlorobenzene	115		113		70-130	2		30
Methyl Acetate	119		115		51-146	3		30
Cyclohexane	121		118		59-142	3		30
1,4-Dioxane	**147**	Q	**143**	Q	65-136	3		30
Freon-113	112		109		50-139	3		30
Methyl cyclohexane	110		108		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	107		107		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	95		96		70-130

SEMIVOLATILES

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01
Client ID: TP-1 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/06/17 16:55
Analyst: CB
Percent Solids: 85%

Date Collected: 03/30/17 10:30
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 17:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01 Date Collected: 03/30/17 10:30

Client ID: TP-1 (8) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	52.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01 Date Collected: 03/30/17 10:30

Client ID: TP-1 (8) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	46		18-120

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-02
Client ID: TP-2 (6) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/06/17 18:37
Analyst: CB
Percent Solids: 83%

Date Collected: 03/30/17 12:20
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 17:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	52	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	44	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	41	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-02 Date Collected: 03/30/17 12:20

Client ID: TP-2 (6) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	39	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	61	J	ug/kg	160	28.	1
Pyrene	44	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	54.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-02
Client ID: TP-2 (6) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/30/17 12:20
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	57		18-120

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-03
Client ID: TP-3 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/06/17 17:21
Analyst: CB
Percent Solids: 76%

Date Collected: 03/30/17 12:50
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 17:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	54.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-03 Date Collected: 03/30/17 12:50

Client ID: TP-3 (8) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	22.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	190	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	71.	1
2-Nitrophenol	ND		ug/kg	470	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	41.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	170	76.	1
Benzaldehyde	ND		ug/kg	280	58.	1
Caprolactam	ND		ug/kg	220	66.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-03 Date Collected: 03/30/17 12:50

Client ID: TP-3 (8) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	61		18-120

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04
Client ID: TP-4 (5) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/06/17 20:45
Analyst: CB
Percent Solids: 87%

Date Collected: 03/30/17 14:05
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 17:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2300		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	49.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	12000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	3200		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	67	J	ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	7900	E	ug/kg	110	21.	1
Benzo(a)pyrene	7300		ug/kg	150	45.	1
Benzo(b)fluoranthene	9500	E	ug/kg	110	31.	1
Benzo(k)fluoranthene	2600		ug/kg	110	30.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04 Date Collected: 03/30/17 14:05

Client ID: TP-4 (5) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	6800		ug/kg	110	19.	1
Acenaphthylene	190		ug/kg	150	29.	1
Anthracene	4200		ug/kg	110	36.	1
Benzo(ghi)perylene	3500		ug/kg	150	22.	1
Fluorene	2600		ug/kg	190	18.	1
Phenanthrene	13000	E	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	1100		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	3500		ug/kg	150	26.	1
Pyrene	9100	E	ug/kg	110	18.	1
Biphenyl	370	J	ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	2200		ug/kg	190	18.	1
2-Methylnaphthalene	1400		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	86	J	ug/kg	190	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	200		ug/kg	190	28.	1
2-Methylphenol	110	J	ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	340		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	2500		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1
Caprolactam	ND		ug/kg	190	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04 Date Collected: 03/30/17 14:05

Client ID: TP-4 (5) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	15800	J	ug/kg			1
Unknown Naphthalene	667	J	ug/kg			1
Unknown PAH	308	J	ug/kg			1
Unknown Naphthalene	275	J	ug/kg			1
Unknown Naphthalene	350	J	ug/kg			1
Unknown PAH	1400	J	ug/kg			1
Unknown PAH	1690	J	ug/kg			1
Unknown	352	J	ug/kg			1
Unknown Naphthalene	500	J	ug/kg			1
Unknown PAH	1040	J	ug/kg			1
Unknown	253	J	ug/kg			1
Unknown	1090	J	ug/kg			1
Unknown	610	J	ug/kg			1
Unknown PAH	594	J	ug/kg			1
Unknown PAH	3760	J	ug/kg			1
Unknown PAH	253	J	ug/kg			1
Unknown	349	J	ug/kg			1
Unknown PAH	303	J	ug/kg			1
Unknown	815	J	ug/kg			1
Unknown Naphthalene	454	J	ug/kg			1
Unknown	709	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	46		10-136
4-Terphenyl-d14	32		18-120

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04 D
Client ID: TP-4 (5) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/10/17 02:52
Analyst: PS
Percent Solids: 87%

Date Collected: 03/30/17 14:05
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 17:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	16000		ug/kg	450	85.	4
Benzo(a)anthracene	6500		ug/kg	450	84.	4
Benzo(b)fluoranthene	7200		ug/kg	450	120	4
Phenanthrene	17000		ug/kg	450	90.	4
Pyrene	12000		ug/kg	450	74.	4

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-05
Client ID: TP-5 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/06/17 17:46
Analyst: CB
Percent Solids: 74%

Date Collected: 03/30/17 14:50
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 17:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-05 Date Collected: 03/30/17 14:50

Client ID: TP-5 (8) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	180	77.	1
Benzaldehyde	ND		ug/kg	290	59.	1
Caprolactam	ND		ug/kg	220	67.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-05 Date Collected: 03/30/17 14:50

Client ID: TP-5 (8) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	50		10-136
4-Terphenyl-d14	56		18-120

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-06
Client ID: TP-6 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/06/17 18:12
Analyst: CB
Percent Solids: 78%

Date Collected: 03/30/17 15:30
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 17:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	120	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	34.	1

Project Name: RITE AID BUFFALO **Lab Number:** L1710105

Project Number: 855.002 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-06 Date Collected: 03/30/17 15:30

Client ID: TP-6 (8) 033017 Date Received: 04/03/17

Sample Location: 350 NIAGARA ST. BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	480	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	73.	1
Benzaldehyde	ND		ug/kg	280	56.	1
Caprolactam	ND		ug/kg	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-06
Client ID: TP-6 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Date Collected: 03/30/17 15:30
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	47		10-136
4-Terphenyl-d14	50		18-120

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/06/17 00:14
Analyst: KV

Extraction Method: EPA 3546
Extraction Date: 04/05/17 12:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG991332-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/06/17 00:14
Analyst: KV

Extraction Method: EPA 3546
Extraction Date: 04/05/17 12:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG991332-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/06/17 00:14
Analyst: KV

Extraction Method: EPA 3546
Extraction Date: 04/05/17 12:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG991332-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	78		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG991332-2 WG991332-3								
Acenaphthene	55		68		31-137	21		50
Hexachlorobenzene	56		71		40-140	24		50
Bis(2-chloroethyl)ether	52		64		40-140	21		50
2-Chloronaphthalene	57		70		40-140	20		50
3,3'-Dichlorobenzidine	**35**	Q	49		40-140	33		50
2,4-Dinitrotoluene	58		73		40-132	23		50
2,6-Dinitrotoluene	59		75		40-140	24		50
Fluoranthene	54		70		40-140	26		50
4-Chlorophenyl phenyl ether	55		71		40-140	25		50
4-Bromophenyl phenyl ether	57		74		40-140	26		50
Bis(2-chloroisopropyl)ether	53		64		40-140	19		50
Bis(2-chloroethoxy)methane	53		65		40-117	20		50
Hexachlorobutadiene	54		69		40-140	24		50
Hexachlorocyclopentadiene	64		81		40-140	23		50
Hexachloroethane	52		64		40-140	21		50
Isophorone	52		65		40-140	22		50
Naphthalene	54		67		40-140	21		50
Nitrobenzene	53		65		40-140	20		50
NDPA/DPA	56		71		36-157	24		50
n-Nitrosodi-n-propylamine	52		64		32-121	21		50
Bis(2-ethylhexyl)phthalate	52		67		40-140	25		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG991332-2 WG991332-3								
Butyl benzyl phthalate	52		67		40-140	25		50
Di-n-butylphthalate	52		68		40-140	27		50
Di-n-octylphthalate	54		70		40-140	26		50
Diethyl phthalate	53		68		40-140	25		50
Dimethyl phthalate	57		72		40-140	23		50
Benzo(a)anthracene	55		68		40-140	21		50
Benzo(a)pyrene	58		72		40-140	22		50
Benzo(b)fluoranthene	57		72		40-140	23		50
Benzo(k)fluoranthene	57		71		40-140	22		50
Chrysene	54		69		40-140	24		50
Acenaphthylene	56		70		40-140	22		50
Anthracene	55		70		40-140	24		50
Benzo(ghi)perylene	55		70		40-140	24		50
Fluorene	54		70		40-140	26		50
Phenanthrene	54		69		40-140	24		50
Dibenzo(a,h)anthracene	55		70		40-140	24		50
Indeno(1,2,3-cd)pyrene	56		71		40-140	24		50
Pyrene	54		70		35-142	26		50
Biphenyl	58		73		54-104	23		50
4-Chloroaniline	**30**	Q	**37**	Q	40-140	21		50
2-Nitroaniline	57		72		47-134	23		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG991332-2 WG991332-3								
3-Nitroaniline	44		54		26-129	20		50
4-Nitroaniline	53		68		41-125	25		50
Dibenzofuran	55		70		40-140	24		50
2-Methylnaphthalene	55		69		40-140	23		50
1,2,4,5-Tetrachlorobenzene	59		74		40-117	23		50
Acetophenone	56		69		14-144	21		50
2,4,6-Trichlorophenol	62		77		30-130	22		50
p-Chloro-m-cresol	58		73		26-103	23		50
2-Chlorophenol	57		71		25-102	22		50
2,4-Dichlorophenol	59		73		30-130	21		50
2,4-Dimethylphenol	61		75		30-130	21		50
2-Nitrophenol	57		70		30-130	20		50
4-Nitrophenol	53		70		11-114	28		50
2,4-Dinitrophenol	40		50		4-130	22		50
4,6-Dinitro-o-cresol	52		66		10-130	24		50
Pentachlorophenol	44		61		17-109	32		50
Phenol	51		62		26-90	19		50
2-Methylphenol	57		70		30-130.	20		50
3-Methylphenol/4-Methylphenol	56		69		30-130	21		50
2,4,5-Trichlorophenol	61		78		30-130	24		50
Carbazole	54		68		54-128	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG991332-2 WG991332-3								
Atrazine	59		76		40-140	25		50
Benzaldehyde	49		59		40-140	19		50
Caprolactam	58		73		15-130	23		50
2,3,4,6-Tetrachlorophenol	56		71		40-140	24		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		73		25-120
Phenol-d6	59		71		10-120
Nitrobenzene-d5	57		67		23-120
2-Fluorobiphenyl	60		74		30-120
2,4,6-Tribromophenol	64		81		10-136
4-Terphenyl-d14	58		74		18-120

PCBS

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01
Client ID: TP-1 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/05/17 09:39
Analyst: JA
Percent Solids: 85%

Date Collected: 03/30/17 10:30
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 00:35
Cleanup Method: EPA 3665A
Cleanup Date: 04/05/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	3.02	1	A
Aroclor 1221	ND		ug/kg	38.3	3.53	1	A
Aroclor 1232	ND		ug/kg	38.3	4.49	1	A
Aroclor 1242	ND		ug/kg	38.3	4.69	1	A
Aroclor 1248	ND		ug/kg	38.3	3.23	1	A
Aroclor 1254	ND		ug/kg	38.3	3.15	1	A
Aroclor 1260	ND		ug/kg	38.3	2.92	1	A
Aroclor 1262	ND		ug/kg	38.3	1.90	1	A
Aroclor 1268	ND		ug/kg	38.3	5.55	1	A
PCBs, Total	ND		ug/kg	38.3	1.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID:	L1710105-02	Date Collected:	03/30/17 12:20
Client ID:	TP-2 (6) 033017	Date Received:	04/03/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/17 00:35
Analytical Date:	04/05/17 10:06	Cleanup Method:	EPA 3665A
Analyst:	JA	Cleanup Date:	04/05/17
Percent Solids:	83%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.04	1	A
Aroclor 1221	ND		ug/kg	38.4	3.54	1	A
Aroclor 1232	ND		ug/kg	38.4	4.50	1	A
Aroclor 1242	ND		ug/kg	38.4	4.70	1	A
Aroclor 1248	ND		ug/kg	38.4	3.24	1	A
Aroclor 1254	ND		ug/kg	38.4	3.16	1	A
Aroclor 1260	ND		ug/kg	38.4	2.93	1	A
Aroclor 1262	ND		ug/kg	38.4	1.91	1	A
Aroclor 1268	ND		ug/kg	38.4	5.57	1	A
PCBs, Total	ND		ug/kg	38.4	1.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID:	L1710105-03	Date Collected:	03/30/17 12:50
Client ID:	TP-3 (8) 033017	Date Received:	04/03/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/17 00:35
Analytical Date:	04/05/17 10:20	Cleanup Method:	EPA 3665A
Analyst:	JA	Cleanup Date:	04/05/17
Percent Solids:	76%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.1	3.32	1	A
Aroclor 1221	ND		ug/kg	42.1	3.88	1	A
Aroclor 1232	ND		ug/kg	42.1	4.93	1	A
Aroclor 1242	ND		ug/kg	42.1	5.15	1	A
Aroclor 1248	ND		ug/kg	42.1	3.55	1	A
Aroclor 1254	ND		ug/kg	42.1	3.46	1	A
Aroclor 1260	ND		ug/kg	42.1	3.20	1	A
Aroclor 1262	ND		ug/kg	42.1	2.09	1	A
Aroclor 1268	ND		ug/kg	42.1	6.10	1	A
PCBs, Total	ND		ug/kg	42.1	2.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID:	L1710105-04	Date Collected:	03/30/17 14:05
Client ID:	TP-4 (5) 033017	Date Received:	04/03/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/17 00:35
Analytical Date:	04/05/17 10:33	Cleanup Method:	EPA 3665A
Analyst:	JA	Cleanup Date:	04/05/17
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	2.96	1	A
Aroclor 1221	ND		ug/kg	37.4	3.45	1	A
Aroclor 1232	ND		ug/kg	37.4	4.39	1	A
Aroclor 1242	ND		ug/kg	37.4	4.58	1	A
Aroclor 1248	ND		ug/kg	37.4	3.16	1	A
Aroclor 1254	ND		ug/kg	37.4	3.08	1	A
Aroclor 1260	14.7	J	ug/kg	37.4	2.85	1	B
Aroclor 1262	ND		ug/kg	37.4	1.86	1	A
Aroclor 1268	6.75	J	ug/kg	37.4	5.43	1	A
PCBs, Total	21.5	J	ug/kg	37.4	2.85	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID:	L1710105-05	Date Collected:	03/30/17 14:50
Client ID:	TP-5 (8) 033017	Date Received:	04/03/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/17 00:35
Analytical Date:	04/05/17 10:47	Cleanup Method:	EPA 3665A
Analyst:	JA	Cleanup Date:	04/05/17
Percent Solids:	74%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.2	3.49	1	A
Aroclor 1221	ND		ug/kg	44.2	4.07	1	A
Aroclor 1232	ND		ug/kg	44.2	5.18	1	A
Aroclor 1242	ND		ug/kg	44.2	5.40	1	A
Aroclor 1248	ND		ug/kg	44.2	3.73	1	A
Aroclor 1254	ND		ug/kg	44.2	3.63	1	A
Aroclor 1260	ND		ug/kg	44.2	3.36	1	A
Aroclor 1262	ND		ug/kg	44.2	2.19	1	A
Aroclor 1268	ND		ug/kg	44.2	6.40	1	A
PCBs, Total	ND		ug/kg	44.2	2.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID:	L1710105-06	Date Collected:	03/30/17 15:30
Client ID:	TP-6 (8) 033017	Date Received:	04/03/17
Sample Location:	350 NIAGARA ST. BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/05/17 00:35
Analytical Date:	04/05/17 11:01	Cleanup Method:	EPA 3665A
Analyst:	JA	Cleanup Date:	04/05/17
Percent Solids:	78%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.8	3.22	1	A
Aroclor 1221	ND		ug/kg	40.8	3.76	1	A
Aroclor 1232	ND		ug/kg	40.8	4.78	1	A
Aroclor 1242	ND		ug/kg	40.8	4.99	1	A
Aroclor 1248	ND		ug/kg	40.8	3.44	1	A
Aroclor 1254	ND		ug/kg	40.8	3.35	1	A
Aroclor 1260	ND		ug/kg	40.8	3.11	1	A
Aroclor 1262	ND		ug/kg	40.8	2.02	1	A
Aroclor 1268	ND		ug/kg	40.8	5.91	1	A
PCBs, Total	ND		ug/kg	40.8	2.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/05/17 08:58
Analyst: JA

Extraction Method: EPA 3546
Extraction Date: 04/05/17 00:35
Cleanup Method: EPA 3665A
Cleanup Date: 04/05/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG991075-1						
Aroclor 1016	ND		ug/kg	31.5	2.49	A
Aroclor 1221	ND		ug/kg	31.5	2.90	A
Aroclor 1232	ND		ug/kg	31.5	3.69	A
Aroclor 1242	ND		ug/kg	31.5	3.86	A
Aroclor 1248	ND		ug/kg	31.5	2.66	A
Aroclor 1254	ND		ug/kg	31.5	2.59	A
Aroclor 1260	ND		ug/kg	31.5	2.40	A
Aroclor 1262	ND		ug/kg	31.5	1.56	A
Aroclor 1268	ND		ug/kg	31.5	4.57	A
PCBs, Total	ND		ug/kg	31.5	1.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	66		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG991075-2 WG991075-3									
Aroclor 1016	81		85		40-140	5		50	A
Aroclor 1260	70		77		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		80		30-150	A
Decachlorobiphenyl	60		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		86		30-150	B
Decachlorobiphenyl	64		64		30-150	B

PESTICIDES

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01
Client ID: TP-1 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/05/17 14:59
Analyst: DM
Percent Solids: 85%

Date Collected: 03/30/17 10:30
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 01:16
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.218	1	A
Beta-BHC	ND		ug/kg	1.85	0.700	1	A
Heptachlor	ND		ug/kg	0.923	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.650	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.808	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.15	0.577	1	A
4,4'-DDE	ND		ug/kg	1.85	0.427	1	A
4,4'-DDD	ND		ug/kg	1.85	0.659	1	A
4,4'-DDT	ND		ug/kg	3.46	1.48	1	A
Endosulfan I	ND		ug/kg	1.85	0.436	1	A
Endosulfan II	ND		ug/kg	1.85	0.617	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.70	1	A
cis-Chlordane	ND		ug/kg	2.31	0.643	1	A
trans-Chlordane	ND		ug/kg	2.31	0.609	1	A
Chlordane	ND		ug/kg	15.0	6.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01
Client ID: TP-1 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 04/06/17 10:21
Analyst: DM
Percent Solids: 85%
Methylation Date: 04/05/17 19:44

Date Collected: 03/30/17 10:30
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/05/17 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	194	12.2	1	A
2,4,5-T	ND		ug/kg	194	6.02	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	5.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	113		30-150	A
DCAA	78		30-150	B

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-02
Client ID: TP-2 (6) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/05/17 15:11
Analyst: DM
Percent Solids: 83%

Date Collected: 03/30/17 12:20
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 01:16
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.367	1	A
Lindane	ND		ug/kg	0.781	0.349	1	A
Alpha-BHC	ND		ug/kg	0.781	0.222	1	A
Beta-BHC	ND		ug/kg	1.87	0.711	1	A
Heptachlor	ND		ug/kg	0.937	0.420	1	A
Aldrin	ND		ug/kg	1.87	0.660	1	A
Heptachlor epoxide	ND		ug/kg	3.52	1.05	1	A
Endrin	ND		ug/kg	0.781	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.820	1	A
Endrin ketone	ND		ug/kg	1.87	0.483	1	A
Dieldrin	ND		ug/kg	1.17	0.586	1	A
4,4'-DDE	ND		ug/kg	1.87	0.434	1	A
4,4'-DDD	ND		ug/kg	1.87	0.669	1	A
4,4'-DDT	ND		ug/kg	3.52	1.51	1	A
Endosulfan I	ND		ug/kg	1.87	0.443	1	A
Endosulfan II	ND		ug/kg	1.87	0.626	1	A
Endosulfan sulfate	ND		ug/kg	0.781	0.372	1	A
Methoxychlor	ND		ug/kg	3.52	1.09	1	A
Toxaphene	ND		ug/kg	35.2	9.84	1	A
cis-Chlordane	ND		ug/kg	2.34	0.653	1	A
trans-Chlordane	2.09	J	ug/kg	2.34	0.619	1	A
Chlordane	ND		ug/kg	15.2	6.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-02
Client ID: TP-2 (6) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 04/06/17 10:41
Analyst: DM
Percent Solids: 83%
Methylation Date: 04/05/17 19:44

Date Collected: 03/30/17 12:20
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/05/17 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	12.4	1	A
2,4,5-T	ND		ug/kg	197	6.12	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	5.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	123		30-150	A
DCAA	89		30-150	B

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-03
Client ID: TP-3 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/05/17 15:24
Analyst: DM
Percent Solids: 76%

Date Collected: 03/30/17 12:50
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 01:16
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.388	1	A
Lindane	ND		ug/kg	0.826	0.369	1	A
Alpha-BHC	ND		ug/kg	0.826	0.235	1	A
Beta-BHC	ND		ug/kg	1.98	0.752	1	A
Heptachlor	ND		ug/kg	0.992	0.445	1	A
Aldrin	ND		ug/kg	1.98	0.698	1	A
Heptachlor epoxide	ND		ug/kg	3.72	1.12	1	A
Endrin	ND		ug/kg	0.826	0.339	1	A
Endrin aldehyde	ND		ug/kg	2.48	0.868	1	A
Endrin ketone	ND		ug/kg	1.98	0.511	1	A
Dieldrin	ND		ug/kg	1.24	0.620	1	A
4,4'-DDE	ND		ug/kg	1.98	0.459	1	A
4,4'-DDD	ND		ug/kg	1.98	0.707	1	A
4,4'-DDT	ND		ug/kg	3.72	1.60	1	A
Endosulfan I	ND		ug/kg	1.98	0.468	1	A
Endosulfan II	ND		ug/kg	1.98	0.663	1	A
Endosulfan sulfate	ND		ug/kg	0.826	0.393	1	A
Methoxychlor	ND		ug/kg	3.72	1.16	1	A
Toxaphene	ND		ug/kg	37.2	10.4	1	A
cis-Chlordane	ND		ug/kg	2.48	0.691	1	A
trans-Chlordane	ND		ug/kg	2.48	0.654	1	A
Chlordane	ND		ug/kg	16.1	6.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-03
Client ID: TP-3 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 04/06/17 11:01
Analyst: DM
Percent Solids: 76%
Methylation Date: 04/05/17 19:44

Date Collected: 03/30/17 12:50
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/05/17 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	217	13.7	1	A
2,4,5-T	ND		ug/kg	217	6.74	1	A
2,4,5-TP (Silvex)	ND		ug/kg	217	5.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	82		30-150	B

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04
Client ID: TP-4 (5) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/05/17 15:36
Analyst: DM
Percent Solids: 87%

Date Collected: 03/30/17 14:05
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 01:16
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.349	1	A
Lindane	ND		ug/kg	0.743	0.332	1	A
Alpha-BHC	ND		ug/kg	0.743	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.676	1	A
Heptachlor	ND		ug/kg	0.892	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.628	1	A
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1	A
Endrin	ND		ug/kg	0.743	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.780	1	A
Endrin ketone	ND		ug/kg	1.78	0.459	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	2.98		ug/kg	1.78	0.412	1	A
4,4'-DDD	ND		ug/kg	1.78	0.636	1	A
4,4'-DDT	33.1	P	ug/kg	3.34	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.421	1	A
Endosulfan II	1.39	JPI	ug/kg	1.78	0.596	1	A
Endosulfan sulfate	ND		ug/kg	0.743	0.354	1	A
Methoxychlor	ND		ug/kg	3.34	1.04	1	A
Toxaphene	ND		ug/kg	33.4	9.37	1	A
cis-Chlordane	2.46		ug/kg	2.23	0.621	1	A
trans-Chlordane	2.10	JPI	ug/kg	2.23	0.589	1	A
Chlordane	40.2	PI	ug/kg	14.5	5.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04
Client ID: TP-4 (5) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 04/10/17 12:22
Analyst: RL
Percent Solids: 87%
Methylation Date: 04/09/17 15:33

Date Collected: 03/30/17 14:05
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/09/17 08:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	11.9	1	A
2,4,5-T	ND		ug/kg	190	5.88	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	5.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	68		30-150	B

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-05
Client ID: TP-5 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/05/17 15:49
Analyst: DM
Percent Solids: 74%

Date Collected: 03/30/17 14:50
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 01:16
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.10	0.411	1	A
Lindane	ND		ug/kg	0.874	0.391	1	A
Alpha-BHC	ND		ug/kg	0.874	0.248	1	A
Beta-BHC	ND		ug/kg	2.10	0.796	1	A
Heptachlor	ND		ug/kg	1.05	0.470	1	A
Aldrin	ND		ug/kg	2.10	0.739	1	A
Heptachlor epoxide	ND		ug/kg	3.93	1.18	1	A
Endrin	ND		ug/kg	0.874	0.358	1	A
Endrin aldehyde	ND		ug/kg	2.62	0.918	1	A
Endrin ketone	ND		ug/kg	2.10	0.540	1	A
Dieldrin	ND		ug/kg	1.31	0.656	1	A
4,4'-DDE	ND		ug/kg	2.10	0.485	1	A
4,4'-DDD	ND		ug/kg	2.10	0.748	1	A
4,4'-DDT	ND		ug/kg	3.93	1.69	1	A
Endosulfan I	ND		ug/kg	2.10	0.496	1	A
Endosulfan II	ND		ug/kg	2.10	0.701	1	A
Endosulfan sulfate	ND		ug/kg	0.874	0.416	1	A
Methoxychlor	ND		ug/kg	3.93	1.22	1	A
Toxaphene	ND		ug/kg	39.3	11.0	1	A
cis-Chlordane	ND		ug/kg	2.62	0.731	1	A
trans-Chlordane	ND		ug/kg	2.62	0.692	1	A
Chlordane	ND		ug/kg	17.0	6.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	43		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	40		30-150	A

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-05
Client ID: TP-5 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 04/06/17 11:40
Analyst: DM
Percent Solids: 74%
Methylation Date: 04/05/17 19:44

Date Collected: 03/30/17 14:50
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/05/17 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	221	13.9	1	A
2,4,5-T	ND		ug/kg	221	6.86	1	A
2,4,5-TP (Silvex)	ND		ug/kg	221	5.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	114		30-150	A
DCAA	85		30-150	B

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-06
Client ID: TP-6 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/05/17 16:02
Analyst: DM
Percent Solids: 78%

Date Collected: 03/30/17 15:30
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/05/17 01:16
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.02	0.396	1	A
Lindane	ND		ug/kg	0.843	0.377	1	A
Alpha-BHC	ND		ug/kg	0.843	0.239	1	A
Beta-BHC	ND		ug/kg	2.02	0.767	1	A
Heptachlor	ND		ug/kg	1.01	0.453	1	A
Aldrin	ND		ug/kg	2.02	0.712	1	A
Heptachlor epoxide	ND		ug/kg	3.79	1.14	1	A
Endrin	ND		ug/kg	0.843	0.346	1	A
Endrin aldehyde	ND		ug/kg	2.53	0.885	1	A
Endrin ketone	ND		ug/kg	2.02	0.521	1	A
Dieldrin	ND		ug/kg	1.26	0.632	1	A
4,4'-DDE	ND		ug/kg	2.02	0.468	1	A
4,4'-DDD	ND		ug/kg	2.02	0.721	1	A
4,4'-DDT	ND		ug/kg	3.79	1.63	1	A
Endosulfan I	ND		ug/kg	2.02	0.478	1	A
Endosulfan II	ND		ug/kg	2.02	0.676	1	A
Endosulfan sulfate	ND		ug/kg	0.843	0.401	1	A
Methoxychlor	ND		ug/kg	3.79	1.18	1	A
Toxaphene	ND		ug/kg	37.9	10.6	1	A
cis-Chlordane	ND		ug/kg	2.53	0.705	1	A
trans-Chlordane	ND		ug/kg	2.53	0.668	1	A
Chlordane	ND		ug/kg	16.4	6.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	38		30-150	A

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-06
Client ID: TP-6 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 04/06/17 12:00
Analyst: DM
Percent Solids: 78%
Methylation Date: 04/05/17 19:44

Date Collected: 03/30/17 15:30
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/05/17 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	210	13.2	1	A
2,4,5-T	ND		ug/kg	210	6.52	1	A
2,4,5-TP (Silvex)	ND		ug/kg	210	5.59	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	124		30-150	A
DCAA	88		30-150	B

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 04/05/17 13:32
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 04/05/17 00:42

Methylation Date: 04/05/17 11:55

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03,05-06 Batch: WG991080-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	85		30-150	B

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/05/17 11:14
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 04/05/17 01:16
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG991085-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.639	0.286	A
Alpha-BHC	ND		ug/kg	0.639	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.767	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.88	0.863	A
Endrin	ND		ug/kg	0.639	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.671	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.355	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.639	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.894	A
Toxaphene	ND		ug/kg	28.8	8.05	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.5	5.08	A

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/05/17 11:14
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 04/05/17 01:16
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/17

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG991085-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 04/10/17 11:23
Analyst: RL

Extraction Method: EPA 8151A
Extraction Date: 04/09/17 08:42

Methylation Date: 04/09/17 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04 Batch: WG992487-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.05	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.34	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG991080-2 WG991080-3									
2,4-D	90		88		30-150	2		30	A
2,4,5-T	82		77		30-150	6		30	A
2,4,5-TP (Silvex)	79		75		30-150	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	105		95		30-150	A
DCAA	86		80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG991085-2 WG991085-3									
Delta-BHC	94		108		30-150	14		30	A
Lindane	90		104		30-150	14		30	A
Alpha-BHC	96		110		30-150	14		30	A
Beta-BHC	98		106		30-150	8		30	A
Heptachlor	95		117		30-150	21		30	A
Aldrin	91		105		30-150	14		30	A
Heptachlor epoxide	99		114		30-150	14		30	A
Endrin	100		116		30-150	15		30	A
Endrin aldehyde	89		104		30-150	16		30	A
Endrin ketone	99		114		30-150	14		30	A
Dieldrin	101		117		30-150	15		30	A
4,4'-DDE	95		112		30-150	16		30	A
4,4'-DDD	91		106		30-150	15		30	A
4,4'-DDT	94		109		30-150	15		30	A
Endosulfan I	97		124		30-150	24		30	A
Endosulfan II	96		110		30-150	14		30	A
Endosulfan sulfate	92		107		30-150	15		30	A
Methoxychlor	94		113		30-150	18		30	A
cis-Chlordane	93		106		30-150	13		30	A
trans-Chlordane	92		107		30-150	15		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG991085-2 WG991085-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		92		30-150	B
Decachlorobiphenyl	77		89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		88		30-150	A
Decachlorobiphenyl	69		88		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04 Batch: WG992487-2 WG992487-3									
2,4-D	84		76		30-150	10		30	A
2,4,5-T	68		64		30-150	6		30	A
2,4,5-TP (Silvex)	69		66		30-150	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	86		78		30-150	A
DCAA	70		62		30-150	B

METALS

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01
Client ID: TP-1 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 03/30/17 10:30
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9400		mg/kg	9.3	2.5	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.6	0.35	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Arsenic, Total	3.5		mg/kg	0.93	0.19	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Barium, Total	76		mg/kg	0.93	0.16	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Beryllium, Total	0.28	J	mg/kg	0.46	0.03	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.93	0.09	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Calcium, Total	57000		mg/kg	9.3	3.2	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Chromium, Total	13		mg/kg	0.93	0.09	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Cobalt, Total	7.7		mg/kg	1.8	0.15	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Copper, Total	16		mg/kg	0.93	0.24	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Iron, Total	16000		mg/kg	4.6	0.84	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Lead, Total	12		mg/kg	4.6	0.25	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Magnesium, Total	16000		mg/kg	9.3	1.4	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Manganese, Total	410		mg/kg	0.93	0.15	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Mercury, Total	0.05	J	mg/kg	0.08	0.02	1	04/05/17 08:30	04/05/17 14:12	EPA 7471B	1,7471B	BV
Nickel, Total	16		mg/kg	2.3	0.22	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Potassium, Total	1300		mg/kg	230	13.	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.8	0.24	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.93	0.26	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Sodium, Total	120	J	mg/kg	180	2.9	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.8	0.29	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Vanadium, Total	18		mg/kg	0.93	0.19	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB
Zinc, Total	54		mg/kg	4.6	0.27	2	04/05/17 07:52	04/05/17 20:07	EPA 3050B	1,6010C	AB

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-02
Client ID: TP-2 (6) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 03/30/17 12:20
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8900		mg/kg	9.4	2.5	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.7	0.36	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Arsenic, Total	3.0		mg/kg	0.94	0.19	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Barium, Total	61		mg/kg	0.94	0.16	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Beryllium, Total	0.28	J	mg/kg	0.47	0.03	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.94	0.09	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Calcium, Total	3000		mg/kg	9.4	3.3	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Chromium, Total	9.9		mg/kg	0.94	0.09	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Cobalt, Total	5.5		mg/kg	1.9	0.16	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Copper, Total	9.2		mg/kg	0.94	0.24	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Iron, Total	12000		mg/kg	4.7	0.84	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Lead, Total	30		mg/kg	4.7	0.25	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Magnesium, Total	2000		mg/kg	9.4	1.4	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Manganese, Total	240		mg/kg	0.94	0.15	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Mercury, Total	0.09		mg/kg	0.08	0.02	1	04/05/17 08:30	04/05/17 14:14	EPA 7471B	1,7471B	BV
Nickel, Total	8.4		mg/kg	2.3	0.23	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Potassium, Total	550		mg/kg	230	13.	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Selenium, Total	0.32	J	mg/kg	1.9	0.24	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.94	0.26	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Sodium, Total	48	J	mg/kg	190	2.9	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.9	0.29	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Vanadium, Total	17		mg/kg	0.94	0.19	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB
Zinc, Total	48		mg/kg	4.7	0.27	2	04/05/17 07:52	04/05/17 20:11	EPA 3050B	1,6010C	AB

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-03
Client ID: TP-3 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 76%

Date Collected: 03/30/17 12:50
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13000		mg/kg	10	2.8	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	5.2	0.39	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Arsenic, Total	5.7		mg/kg	1.0	0.22	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Barium, Total	110		mg/kg	1.0	0.18	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Beryllium, Total	0.46	J	mg/kg	0.52	0.03	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.0	0.10	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Calcium, Total	48000		mg/kg	10	3.6	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Chromium, Total	17		mg/kg	1.0	0.10	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Cobalt, Total	8.0		mg/kg	2.1	0.17	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Copper, Total	18		mg/kg	1.0	0.27	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Iron, Total	20000		mg/kg	5.2	0.94	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Lead, Total	14		mg/kg	5.2	0.28	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Magnesium, Total	15000		mg/kg	10	1.6	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Manganese, Total	580		mg/kg	1.0	0.16	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Mercury, Total	0.07	J	mg/kg	0.09	0.02	1	04/05/17 08:30	04/05/17 14:15	EPA 7471B	1,7471B	BV
Nickel, Total	18		mg/kg	2.6	0.25	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Potassium, Total	1200		mg/kg	260	15.	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Selenium, Total	0.48	J	mg/kg	2.1	0.27	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.0	0.29	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Sodium, Total	170	J	mg/kg	210	3.3	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.1	0.33	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Vanadium, Total	24		mg/kg	1.0	0.21	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB
Zinc, Total	67		mg/kg	5.2	0.30	2	04/05/17 07:52	04/05/17 20:15	EPA 3050B	1,6010C	AB

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04
Client ID: TP-4 (5) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 03/30/17 14:05
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8000		mg/kg	8.7	2.4	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Antimony, Total	0.46	J	mg/kg	4.4	0.33	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Arsenic, Total	7.3		mg/kg	0.87	0.18	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Barium, Total	190		mg/kg	0.87	0.15	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Beryllium, Total	0.51		mg/kg	0.44	0.03	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Cadmium, Total	0.49	J	mg/kg	0.87	0.09	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Calcium, Total	44000		mg/kg	8.7	3.0	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Chromium, Total	16		mg/kg	0.87	0.08	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Cobalt, Total	5.2		mg/kg	1.7	0.14	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Copper, Total	33		mg/kg	0.87	0.22	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Iron, Total	13000		mg/kg	4.4	0.79	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Lead, Total	460		mg/kg	4.4	0.23	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Magnesium, Total	9900		mg/kg	8.7	1.3	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Manganese, Total	410		mg/kg	0.87	0.14	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Mercury, Total	0.46		mg/kg	0.08	0.02	1	04/05/17 08:30	04/05/17 14:17	EPA 7471B	1,7471B	BV
Nickel, Total	17		mg/kg	2.2	0.21	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Potassium, Total	790		mg/kg	220	12.	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Selenium, Total	0.33	J	mg/kg	1.7	0.22	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.87	0.25	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Sodium, Total	160	J	mg/kg	170	2.7	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.7	0.27	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Vanadium, Total	14		mg/kg	0.87	0.18	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB
Zinc, Total	220		mg/kg	4.4	0.26	2	04/05/17 07:52	04/05/17 20:19	EPA 3050B	1,6010C	AB

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-05
Client ID: TP-5 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 03/30/17 14:50
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10000		mg/kg	10	2.8	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	5.1	0.39	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Arsenic, Total	8.8		mg/kg	1.0	0.21	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Barium, Total	130		mg/kg	1.0	0.18	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Beryllium, Total	0.36	J	mg/kg	0.51	0.03	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.0	0.10	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Calcium, Total	11000		mg/kg	10	3.6	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Chromium, Total	15		mg/kg	1.0	0.10	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Cobalt, Total	7.8		mg/kg	2.0	0.17	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Copper, Total	16		mg/kg	1.0	0.26	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Iron, Total	21000		mg/kg	5.1	0.92	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Lead, Total	14		mg/kg	5.1	0.27	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Magnesium, Total	8800		mg/kg	10	1.6	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Manganese, Total	460		mg/kg	1.0	0.16	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Mercury, Total	0.07	J	mg/kg	0.09	0.02	1	04/05/17 08:30	04/05/17 14:19	EPA 7471B	1,7471B	BV
Nickel, Total	18		mg/kg	2.6	0.25	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Potassium, Total	1200		mg/kg	260	15.	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.0	0.26	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.0	0.29	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Sodium, Total	82	J	mg/kg	200	3.2	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.0	0.32	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Vanadium, Total	21		mg/kg	1.0	0.21	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB
Zinc, Total	76		mg/kg	5.1	0.30	2	04/05/17 07:52	04/05/17 20:23	EPA 3050B	1,6010C	AB

Project Name: RITE AID BUFFALO
Lab Number: L1710105
Project Number: 855.002
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-06
Client ID: TP-6 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil
Percent Solids: 78%

Date Collected: 03/30/17 15:30
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6200		mg/kg	9.8	2.6	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.9	0.37	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Arsenic, Total	2.7		mg/kg	0.98	0.20	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Barium, Total	44		mg/kg	0.98	0.17	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Beryllium, Total	0.18	J	mg/kg	0.49	0.03	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.98	0.10	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Calcium, Total	35000		mg/kg	9.8	3.4	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Chromium, Total	8.4		mg/kg	0.98	0.09	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Cobalt, Total	4.3		mg/kg	2.0	0.16	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Copper, Total	9.3		mg/kg	0.98	0.25	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Iron, Total	11000		mg/kg	4.9	0.88	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Lead, Total	14		mg/kg	4.9	0.26	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Magnesium, Total	14000		mg/kg	9.8	1.5	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Manganese, Total	300		mg/kg	0.98	0.16	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Mercury, Total	0.075	J	mg/kg	0.082	0.017	1	04/05/17 08:30	04/05/17 14:21	EPA 7471B	1,7471B	BV
Nickel, Total	7.9		mg/kg	2.4	0.24	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Potassium, Total	620		mg/kg	240	14.	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	2.0	0.25	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.98	0.28	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Sodium, Total	110	J	mg/kg	200	3.1	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	2.0	0.31	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Vanadium, Total	14		mg/kg	0.98	0.20	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC
Zinc, Total	46		mg/kg	4.9	0.28	2	04/05/17 07:52	04/05/17 20:39	EPA 3050B	1,6010C	MC

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG991130-1										
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	04/05/17 08:30	04/05/17 11:22	1,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG991162-1										
Aluminum, Total	ND		mg/kg	4.0	1.1	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Antimony, Total	ND		mg/kg	2.0	0.15	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Arsenic, Total	0.11	J	mg/kg	0.40	0.08	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Barium, Total	ND		mg/kg	0.40	0.07	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.20	0.01	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.40	0.04	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Calcium, Total	ND		mg/kg	4.0	1.4	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Chromium, Total	ND		mg/kg	0.40	0.04	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.80	0.07	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Copper, Total	ND		mg/kg	0.40	0.10	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Iron, Total	0.56	J	mg/kg	2.0	0.36	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Lead, Total	ND		mg/kg	2.0	0.11	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Magnesium, Total	ND		mg/kg	4.0	0.62	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Manganese, Total	0.07	J	mg/kg	0.40	0.06	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Nickel, Total	ND		mg/kg	1.0	0.10	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Potassium, Total	ND		mg/kg	100	5.8	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Selenium, Total	ND		mg/kg	0.80	0.10	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Silver, Total	ND		mg/kg	0.40	0.11	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Sodium, Total	ND		mg/kg	80	1.3	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Thallium, Total	0.16	J	mg/kg	0.80	0.13	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.40	0.08	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS
Zinc, Total	ND		mg/kg	2.0	0.12	1	04/05/17 07:52	04/05/17 13:18	1,6010C	PS

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG991130-2 SRM Lot Number: D091-540								
Mercury, Total	98		-		72-128	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG991162-2 SRM Lot Number: D091-540					
Aluminum, Total	78	-	52-148	-	
Antimony, Total	179	-	1-200	-	
Arsenic, Total	103	-	80-121	-	
Barium, Total	96	-	84-117	-	
Beryllium, Total	102	-	83-117	-	
Cadmium, Total	103	-	83-117	-	
Calcium, Total	102	-	81-118	-	
Chromium, Total	98	-	80-119	-	
Cobalt, Total	104	-	84-115	-	
Copper, Total	98	-	82-117	-	
Iron, Total	107	-	47-154	-	
Lead, Total	103	-	82-118	-	
Magnesium, Total	91	-	77-123	-	
Manganese, Total	97	-	82-118	-	
Nickel, Total	101	-	83-117	-	
Potassium, Total	88	-	72-128	-	
Selenium, Total	96	-	79-121	-	
Silver, Total	112	-	75-124	-	
Sodium, Total	100	-	73-126	-	
Thallium, Total	106	-	80-121	-	
Vanadium, Total	96	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG991162-2 SRM Lot Number: D091-540					
Zinc, Total	98	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG991130-3 QC Sample: L1710213-01 Client ID: MS Sample												
Mercury, Total	0.06J	0.147	0.24	**163**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG991162-3 QC Sample: L1710372-01 Client ID: MS Sample										
Aluminum, Total	15000	189	14000	**0**	Q	-	-	75-125	-	20
Antimony, Total	1.0J	47.4	46	97		-	-	75-125	-	20
Arsenic, Total	7.3	11.4	21	120		-	-	75-125	-	20
Barium, Total	270	189	430	84		-	-	75-125	-	20
Beryllium, Total	0.34J	4.74	4.8	101		-	-	75-125	-	20
Cadmium, Total	0.57J	4.83	5.4	112		-	-	75-125	-	20
Calcium, Total	22000	947	15000	**0**	Q	-	-	75-125	-	20
Chromium, Total	35.	18.9	49	**74**	Q	-	-	75-125	-	20
Cobalt, Total	7.0	47.4	52	95		-	-	75-125	-	20
Copper, Total	170	23.7	110	**0**	Q	-	-	75-125	-	20
Iron, Total	25000	94.7	24000	**0**	Q	-	-	75-125	-	20
Lead, Total	490	48.3	540	104		-	-	75-125	-	20
Magnesium, Total	6900	947	6700	**0**	Q	-	-	75-125	-	20
Manganese, Total	240	47.4	340	**211**	Q	-	-	75-125	-	20
Nickel, Total	20.	47.4	69	103		-	-	75-125	-	20
Potassium, Total	5100	947	4700	**0**	Q	-	-	75-125	-	20
Selenium, Total	0.71J	11.4	13	114		-	-	75-125	-	20
Silver, Total	ND	28.4	28	98		-	-	75-125	-	20
Sodium, Total	240	947	1200	101		-	-	75-125	-	20
Thallium, Total	ND	11.4	9.4	83		-	-	75-125	-	20
Vanadium, Total	61.	47.4	100	82		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG991162-3 QC Sample: L1710372-01 Client ID: MS Sample									
Zinc, Total	510	47.4	550	84	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG991130-4 QC Sample: L1710213-01 Client ID: DUP Sample						
Mercury, Total	0.06J	0.06J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG991162-4 QC Sample: L1710372-01 Client ID: DUP Sample						
Aluminum, Total	15000	17000	mg/kg	13		20
Antimony, Total	1.0J	1.2J	mg/kg	NC		20
Arsenic, Total	7.3	8.1	mg/kg	10		20
Barium, Total	270	280	mg/kg	4		20
Beryllium, Total	0.34J	0.36J	mg/kg	NC		20
Cadmium, Total	0.57J	0.56J	mg/kg	NC		20
Calcium, Total	22000	13000	mg/kg	**51**	Q	20
Chromium, Total	35.	39	mg/kg	11		20
Cobalt, Total	7.0	9.6	mg/kg	**31**	Q	20
Copper, Total	170	300	mg/kg	**55**	Q	20
Iron, Total	25000	28000	mg/kg	11		20
Lead, Total	490	1000	mg/kg	**68**	Q	20
Magnesium, Total	6900	7800	mg/kg	12		20
Manganese, Total	240	290	mg/kg	19		20
Nickel, Total	20.	27	mg/kg	**30**	Q	20
Potassium, Total	5100	5900	mg/kg	15		20
Selenium, Total	0.71J	1.1J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	240	250	mg/kg	4		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG991162-4 QC Sample: L1710372-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	61.	64	mg/kg	5	20
Zinc, Total	510	470	mg/kg	8	20

INORGANICS
&
MISCELLANEOUS

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-01
Client ID: TP-1 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil

Date Collected: 03/30/17 10:30
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	04/05/17 11:16	121,2540G	RI
Cyanide, Total	ND		mg/kg	2.3	0.38	2	04/05/17 16:05	04/06/17 16:27	1,9010C/9012B	JO

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-02
Client ID: TP-2 (6) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil

Date Collected: 03/30/17 12:20
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	04/05/17 11:16	121,2540G	RI
Cyanide, Total	0.70	J	mg/kg	1.2	0.20	1	04/05/17 16:05	04/06/17 15:34	1,9010C/9012B	JO

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-03
Client ID: TP-3 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil

Date Collected: 03/30/17 12:50
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.1		%	0.100	NA	1	-	04/05/17 11:16	121,2540G	RI
Cyanide, Total	ND		mg/kg	2.5	0.42	2	04/05/17 16:05	04/06/17 16:21	1,9010C/9012B	JO

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-04
Client ID: TP-4 (5) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil

Date Collected: 03/30/17 14:05
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	04/05/17 11:16	121,2540G	RI
Cyanide, Total	0.52	J	mg/kg	1.1	0.19	1	04/05/17 16:05	04/06/17 15:37	1,9010C/9012B	JO

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-05
Client ID: TP-5 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil

Date Collected: 03/30/17 14:50
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.8		%	0.100	NA	1	-	04/05/17 11:16	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.21	1	04/05/17 16:05	04/06/17 15:38	1,9010C/9012B	JO

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

SAMPLE RESULTS

Lab ID: L1710105-06
Client ID: TP-6 (8) 033017
Sample Location: 350 NIAGARA ST. BUFFALO, NY
Matrix: Soil

Date Collected: 03/30/17 15:30
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	04/05/17 11:16	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.21	1	04/05/17 16:05	04/06/17 16:22	1,9010C/9012B	JO

Project Name: RITE AID BUFFALO
Project Number: 855.002
Lab Number: L1710105
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG991348-1										
Cyanide, Total	ND		mg/kg	0.88	0.14	1	04/05/17 16:05	04/06/17 15:29	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID BUFFALO

Project Number: 855.002

Lab Number: L1710105

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG991348-2 WG991348-3								
Cyanide, Total	98		89		80-120	13		35

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG991348-4 WG991348-5 QC Sample: L1710353-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	97		10	99		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG991260-1 QC Sample: L1710105-01 Client ID: TP-1 (8) 033017						
Solids, Total	84.6	84.6	%	0		20

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05-APR-17 12:41

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1710105-01A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1710105-01B	Vial Large Septa unpreserved (4o	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-01C	Glass 250ml/8oz unpreserved	A	N/A	3.9	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1710105-01X	Vial MeOH preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-01Y	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-01Z	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-02A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1710105-02B	Vial Large Septa unpreserved (4o	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-02C	Glass 250ml/8oz unpreserved	A	N/A	3.9	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1710105-02X	Vial MeOH preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-02Y	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-02Z	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1710105-03A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1710105-03B	Vial Large Septa unpreserved (4o	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-03C	Glass 250ml/8oz unpreserved	A	N/A	3.9	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1710105-03X	Vial MeOH preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-03Y	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-03Z	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-04A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1710105-04B	Vial Large Septa unpreserved (4o	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-04C	Glass 250ml/8oz unpreserved	A	N/A	3.9	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1710105-04X	Vial MeOH preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-04Y	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-04Z	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-05A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1710105-05B	Vial Large Septa unpreserved (4o	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: RITE AID BUFFALO
Project Number: 855.002

Lab Number: L1710105
Report Date: 04/10/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1710105-05C	Glass 250ml/8oz unpreserved	A	N/A	3.9	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1710105-05X	Vial MeOH preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-05Y	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-05Z	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-06A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1710105-06B	Vial Large Septa unpreserved (4o	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-06C	Glass 250ml/8oz unpreserved	A	N/A	3.9	Y	Absent	NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1710105-06X	Vial MeOH preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-06Y	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)
L1710105-06Z	Vial Water preserved split	A	N/A	3.9	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	RITE AID BUFFALO	**Lab Number:**	L1710105
Project Number:	855.002	**Report Date:**	04/10/17

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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

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

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	RITE AID BUFFALO	**Lab Number:**	L1710105
Project Number:	855.002	**Report Date:**	04/10/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

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.

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:	RITE AID BUFFALO	**Lab Number:**	L1710105
Project Number:	855.002	**Report Date:**	04/10/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/4/17

ALPHA Job #: L1710105

Client Information

Client: Leader Professional
Address: 271 Marsh Rd, Suite 2
Pittsford, NY 14534
Phone: 585-248-2413
Fax:
Email: Rvonschondorf@leaderlink.com

Project Information

Project Name: RiteAid Buffalo
Project Location: 350 Niagara St Buffalo NY
Project #: 855.008
(Use Project name as Project #) ☐
Project Manager: Pete von Schondorf
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs + 10 TICs	SVOCs + 20 TICs	Pesticides & Herbicides	PCBs	TAL Metals Hg & Cyanide 3/30/17			Total Bottle
	TP-1 (8) 03/30/17				MK					MK			
10105-01	TP-1 (8) 033017	3/30/17	1030	S	MK	X	X	X	X	X			3
02	TP-2 (6) 033017		1220			X	X	X	X	X			3
03	TP-3 (8) 033017		1250			X	X	X	X	X			3
04	TP-4 (5) 033017		1405			X	X	X	X	X			3
05	TP-5 (8) 033017		1450			X	X	X	X	X			3
06	TP-6 (8) 033017		1530			X	X	X	X	X			3

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Container Type	A	A	A	A	A
Preservative	A	A	A	A	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
JMAC AAC	4/3/17 1630	JMAC AAC	4/3/17 1630
JMAC AAC	4/03/17 16:30	[signature]	4/4/17 08:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1711713
Client:	Leader Professional Services, Inc. 271 Marsh Road, Suite 2 Pittsford, NY 14534
ATTN:	Peter Von Schondorf
Phone:	(585) 248-2413
Project Name:	RITE AID - BUFFALO
Project Number:	055.001
Report Date:	04/24/17

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1711713-01	MW-8-041217	WATER	350 NIAGARA ST BUFFALO	04/12/17 14:15	04/13/17
L1711713-02	MW-2-041317	WATER	350 NIAGARA ST BUFFALO	04/13/17 09:00	04/13/17
L1711713-03	EQUIPMENT BLANK 041317	WATER	350 NIAGARA ST BUFFALO	04/13/17 08:15	04/13/17
L1711713-04	MW-1-041317	WATER	350 NIAGARA ST BUFFALO	04/13/17 10:50	04/13/17
L1711713-05	MW-9-041317	WATER	350 NIAGARA ST BUFFALO	04/13/17 12:30	04/13/17
L1711713-06	MW-6-041317	WATER	350 NIAGARA ST BUFFALO	04/13/17 15:30	04/13/17
L1711713-07	MW-6-041317 DUP	WATER	350 NIAGARA ST BUFFALO	04/13/17 15:30	04/13/17
L1711713-08	TRIP BLANK	WATER	350 NIAGARA ST BUFFALO	04/12/17 00:00	04/13/17

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC 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. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

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

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

Project Name:	RITE AID - BUFFALO	**Lab Number:**	L1711713
Project Number:	055.001	**Report Date:**	04/24/17

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.

Sample Receipt

The analyses performed were specified by the client.

Semivolatile Organics

The WG994523-8/-9 MS/MSD recoveries, performed on L1711713-02, are below the acceptance criteria for 3,3'-dichlorobenzidine (0%/0%) due to the concentration of this compound falling below the reported detection limit.

Metals

The WG994867-3/-4 MS/MSD recoveries for calcium (MSD at 60%), magnesium (317%/319%) and sodium (300%/320%), performed on L1711713-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/24/17

ORGANICS

VOLATILES

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/19/17 18:45
Analyst: PD

Date Collected: 04/12/17 14:15
Date Received: 04/13/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/12/17 14:15
Date Received: 04/13/17
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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	20		ug/l	5.0	1.5	1
Carbon disulfide	2.5	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/20/17 10:37
Analyst: PD

Date Collected: 04/13/17 09:00
Date Received: 04/13/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	36		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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.4		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	36		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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
Total TIC Compounds	3.48	J	ug/l			1
Diisopropyl sulfide	3.48	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03
Client ID: EQUIPMENT BLANK 041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/18/17 02:10
Analyst: PD

Date Collected: 04/13/17 08:15
Date Received: 04/13/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE AID - BUFFALO **Lab Number:** L1711713

Project Number: 055.001 **Report Date:** 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03 Date Collected: 04/13/17 08:15

Client ID: EQUIPMENT BLANK 041317 Date Received: 04/13/17

Sample Location: 350 NIAGARA ST BUFFALO 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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/19/17 16:54
Analyst: PD

Date Collected: 04/13/17 10:50
Date Received: 04/13/17
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	7.8		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.28	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	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	3.1		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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	9.2	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	2.2	J	ug/l	10	0.40	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	33.2	J	ug/l			1
Pentane, 3-methyl-	2.15	NJ	ug/l			1
Pentane	1.52	NJ	ug/l			1
Unknown	1.41	J	ug/l			1
Cyclohexene, 1-methyl-	1.29	NJ	ug/l			1
Butane, 2-Methyl-	7.94	NJ	ug/l			1
Unknown	1.38	J	ug/l			1
Unknown	1.48	J	ug/l			1
Unknown	6.09	J	ug/l			1
Cyclopentane	8.22	NJ	ug/l			1
Unknown	1.68	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/19/17 17:22
Analyst: PD

Date Collected: 04/13/17 12:30
Date Received: 04/13/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	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	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 12:30
Date Received: 04/13/17
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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	9.4		ug/l	5.0	1.5	1
Carbon disulfide	2.2	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/19/17 17:49
Analyst: PD

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE AID - BUFFALO **Lab Number:** L1711713

Project Number: 055.001 **Report Date:** 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06 Date Collected: 04/13/17 15:30

Client ID: MW-6-041317 Date Received: 04/13/17

Sample Location: 350 NIAGARA ST BUFFALO 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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	46		ug/l	5.0	1.5	1
Carbon disulfide	1.2	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/19/17 18:17
Analyst: PD

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	0.71	J	ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 15:30
Date Received: 04/13/17
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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	47		ug/l	5.0	1.5	1
Carbon disulfide	1.2	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-08
Client ID: TRIP BLANK
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/18/17 01:34
Analyst: PD

Date Collected: 04/12/17 00:00
Date Received: 04/13/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE AID - BUFFALO **Lab Number:** L1711713

Project Number: 055.001 **Report Date:** 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-08 Date Collected: 04/12/17 00:00

Client ID: TRIP BLANK Date Received: 04/13/17

Sample Location: 350 NIAGARA ST BUFFALO 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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/17/17 22:01
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,08 Batch: WG995212-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/17/17 22:01
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,08 Batch: WG995212-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/17/17 22:01
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,08 Batch: WG995212-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/19/17 13:11
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04-07 Batch: WG995694-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/19/17 13:11
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04-07 Batch: WG995694-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/19/17 13:11
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04-07 Batch: WG995694-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/20/17 10:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG996056-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/20/17 10:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG996056-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/20/17 10:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG996056-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,08 Batch: WG995212-3 WG995212-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	92		86		63-130	7		20
1,1,2-Trichloroethane	110		100		70-130	10		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	87		80		70-130	8		20
cis-1,3-Dichloropropene	98		95		70-130	3		20
Bromoform	83		76		54-136	9		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	110		110		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	83		81		64-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,08 Batch: WG995212-3 WG995212-4								
Bromomethane	56		54		39-139	4		20
Vinyl chloride	100		110		55-140	10		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	100		97		70-130	3		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		98		70-130	2		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	115		110		70-130	4		20
o-Xylene	115		110		70-130	4		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	115		110		70-130	4		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	100		100		58-148	0		20
Carbon disulfide	**150**	Q	130		51-130	14		20
2-Butanone	110		100		63-138	10		20
4-Methyl-2-pentanone	94		86		59-130	9		20
2-Hexanone	98		91		57-130	7		20
Bromochloromethane	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,08 Batch: WG995212-3 WG995212-4								
1,2-Dibromoethane	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	75		74		41-144	1		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	**44**	Q	**52**	Q	70-130	17		20
1,2,4-Trichlorobenzene	**63**	Q	**66**	Q	70-130	5		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	74		82		56-162	10		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	99		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-07 Batch: WG995694-3 WG995694-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	97		100		63-132	3		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	96		100		63-130	4		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	97		100		70-130	3		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	96		100		70-130	4		20
Bromoform	91		96		54-136	5		20
1,1,2,2-Tetrachloroethane	95		100		67-130	5		20
Benzene	100		100		70-130	0		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	**140**	Q	**140**	Q	64-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-07 Batch: WG995694-3 WG995694-4								
Bromomethane	120		120		39-139	0		20
Vinyl chloride	130		130		55-140	0		20
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	99		100		63-130	1		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	120		130		36-147	8		20
Acetone	100		100		58-148	0		20
Carbon disulfide	**230**	Q	**240**	Q	51-130	4		20
2-Butanone	100		110		63-138	10		20
4-Methyl-2-pentanone	94		100		59-130	6		20
2-Hexanone	89		96		57-130	8		20
Bromochloromethane	98		100		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-07 Batch: WG995694-3 WG995694-4								
1,2-Dibromoethane	94		100		70-130	6		20
1,2-Dibromo-3-chloropropane	73		78		41-144	7		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	**56**	Q	**52**	Q	70-130	7		20
1,2,4-Trichlorobenzene	80		78		70-130	3		20
Methyl Acetate	97		100		70-130	3		20
Cyclohexane	100		110		70-130	10		20
1,4-Dioxane	64		78		56-162	20		20
Freon-113	98		100		70-130	2		20
Methyl cyclohexane	90		94		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		102		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG996056-3 WG996056-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	99		95		63-132	4		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	85		**58**	Q	62-150	**38**	Q	20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	99		95		67-130	4		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		96		70-130	2		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	110		100		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	**140**	Q	110		64-130	**24**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG996056-3 WG996056-4								
Bromomethane	82		76		39-139	8		20
Vinyl chloride	88		76		55-140	15		20
Chloroethane	89		72		55-138	**21**	Q	20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	99		100		63-130	1		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	100		96		36-147	4		20
Acetone	100		67		58-148	**40**	Q	20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	99		91		63-138	8		20
4-Methyl-2-pentanone	89		94		59-130	5		20
2-Hexanone	87		91		57-130	4		20
Bromochloromethane	120		120		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG996056-3 WG996056-4								
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	78		83		41-144	6		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	81		83		70-130	2		20
1,2,4-Trichlorobenzene	85		86		70-130	1		20
Methyl Acetate	130		130		70-130	0		20
Cyclohexane	91		86		70-130	6		20
1,4-Dioxane	104		108		56-162	4		20
Freon-113	110		**60**	Q	70-130	**59**	Q	20
Methyl cyclohexane	96		90		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		94		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	103		103		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG996056-6 WG996056-7 QC Sample: L1711713-02 Client ID: MW-2-041317												
Methylene chloride	ND	10	12	120		11	110		70-130	9		20
1,1-Dichloroethane	ND	10	12	120		11	110		70-130	9		20
Chloroform	ND	10	12	120		11	110		70-130	9		20
Carbon tetrachloride	ND	10	13	130		12	120		63-132	8		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	12	120		11	110		63-130	9		20
1,1,2-Trichloroethane	ND	10	12	120		11	110		70-130	9		20
Tetrachloroethene	ND	10	12	120		12	120		70-130	0		20
Chlorobenzene	ND	10	12	120		11	110		75-130	9		20
Trichlorofluoromethane	ND	10	9.2	92		9.8	98		62-150	6		20
1,2-Dichloroethane	36	10	47	110		44	80		70-130	7		20
1,1,1-Trichloroethane	ND	10	12	120		11	110		67-130	9		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
cis-1,3-Dichloropropene	ND	10	11	110		10	100		70-130	10		20
Bromoform	ND	10	11	110		10	100		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	11	110		10	100		67-130	10		20
Benzene	1.4	10	13	116		13	116		70-130	0		20
Toluene	ND	10	12	120		11	110		70-130	9		20
Ethylbenzene	ND	10	12	120		11	110		70-130	9		20
Chloromethane	ND	10	16	**160**	Q	16	**160**	Q	64-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG996056-6 WG996056-7 QC Sample: L1711713-02 Client ID: MW-2-041317												
Bromomethane	ND	10	9.2	92		10	100		39-139	8		20
Vinyl chloride	ND	10	15	**150**	Q	14	140		55-140	7		20
Chloroethane	ND	10	8.4	84		8.8	88		55-138	5		20
1,1-Dichloroethene	ND	10	13	130		7.4	74		61-145	**55**	Q	20
trans-1,2-Dichloroethene	ND	10	12	120		11	110		70-130	9		20
Trichloroethene	ND	10	12	120		11	110		70-130	9		20
1,2-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,3-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,4-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
Methyl tert butyl ether	36	10	48	120		45	90		63-130	6		20
p/m-Xylene	ND	20	24	120		23	115		70-130	4		20
o-Xylene	ND	20	23	115		23	115		70-130	0		20
cis-1,2-Dichloroethene	ND	10	12	120		11	110		70-130	9		20
Styrene	ND	20	23	115		22	110		70-130	4		20
Dichlorodifluoromethane	ND	10	14	140		13	130		36-147	7		20
Acetone	4.4J	10	14	140		7.7	77		58-148	**58**	Q	20
Carbon disulfide	ND	10	10	100		10	100		51-130	0		20
2-Butanone	ND	10	10	100		9.4	94		63-138	6		20
4-Methyl-2-pentanone	ND	10	9.0	90		8.8	88		59-130	2		20
2-Hexanone	ND	10	11	110		9.3	93		57-130	17		20
Bromochloromethane	ND	10	12	120		12	120		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG996056-6 WG996056-7 QC Sample: L1711713-02 Client ID: MW-2-041317												
1,2-Dibromoethane	ND	10	11	110		10	100		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	7.8	78		7.9	79		41-144	1		20
Isopropylbenzene	ND	10	12	120		12	120		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	7.8	78		8.0	80		70-130	3		20
1,2,4-Trichlorobenzene	ND	10	8.6	86		8.7	87		70-130	1		20
Methyl Acetate	ND	10	13	130		12	120		70-130	8		20
Cyclohexane	ND	10	13	130		12	120		70-130	8		20
1,4-Dioxane	ND	500	500	100		480	96		56-162	4		20
Freon-113	ND	10	14	**140**	Q	8.2	82		70-130	**52**	Q	20
Methyl cyclohexane	ND	10	13	130		12	120		70-130	8		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		94		70-130
4-Bromofluorobenzene	97		100		70-130
Dibromofluoromethane	104		100		70-130
Toluene-d8	99		101		70-130

SEMIVOLATILES

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/19/17 04:10
Analyst: RC

Date Collected: 04/12/17 14:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/12/17 14:15
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
Total TIC Compounds	217	J	ug/l			1
Unknown	48.7	J	ug/l			1
Unknown	63.2	J	ug/l			1
Unknown	64.7	J	ug/l			1
Unknown	40.0	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	81		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/18/17 20:28
Analyst: KL

Date Collected: 04/12/17 14:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/12/17 14:15
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	68		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/19/17 23:35
Analyst: CB

Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
Total TIC Compounds	9.14	J	ug/l			1
Unknown	4.68	J	ug/l			1
Unknown	4.46	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	55		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/19/17 00:46
Analyst: KL

Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.05	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	0.05	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	71		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03
Client ID: EQUIPMENT BLANK 041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/19/17 05:29
Analyst: RC

Date Collected: 04/13/17 08:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE AID - BUFFALO **Lab Number:** L1711713

Project Number: 055.001 **Report Date:** 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03 Date Collected: 04/13/17 08:15

Client ID: EQUIPMENT BLANK 041317 Date Received: 04/13/17

Sample Location: 350 NIAGARA ST BUFFALO Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	80		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03
Client ID: EQUIPMENT BLANK 041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/18/17 21:00
Analyst: KL

Date Collected: 04/13/17 08:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03
Client ID: EQUIPMENT BLANK 041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 08:15
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	73		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/19/17 05:56
Analyst: RC

Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
Total TIC Compounds	40.0	J	ug/l			1
Unknown	40.0	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	69		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/18/17 21:33
Analyst: KL

Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	60		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/19/17 06:22
Analyst: RC

Date Collected: 04/13/17 12:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 12:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
Total TIC Compounds	222	J	ug/l			1
Unknown	57.6	J	ug/l			1
Unknown	40.0	J	ug/l			1
Unknown	4.07	J	ug/l			1
Unknown	68.8	J	ug/l			1
Acetophenone	51.9	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	79		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/18/17 22:04
Analyst: KL

Date Collected: 04/13/17 12:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.12		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 12:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	73		41-149

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/19/17 04:37
Analyst: RC

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	63		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/18/17 22:36
Analyst: KL

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	57		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/19/17 05:03
Analyst: RC

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	69		41-149

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/18/17 23:08
Analyst: KL

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	61		41-149

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/17/17 21:55
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG994523-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/17/17 21:55
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG994523-1					
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/17/17 21:55
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG994523-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	22		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	38		23-120
2-Fluorobiphenyl	40		15-120
2,4,6-Tribromophenol	31		10-120
4-Terphenyl-d14	59		41-149

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/16/17 02:21
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG994525-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/16/17 02:21
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 04/15/17 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG994525-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	83		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG994523-2 WG994523-3								
Bis(2-chloroethyl)ether	53		61		40-140	14		30
3,3'-Dichlorobenzidine	41		42		40-140	2		30
2,4-Dinitrotoluene	67		69		48-143	3		30
2,6-Dinitrotoluene	63		69		40-140	9		30
4-Chlorophenyl phenyl ether	58		62		40-140	7		30
4-Bromophenyl phenyl ether	62		65		40-140	5		30
Bis(2-chloroisopropyl)ether	51		59		40-140	15		30
Bis(2-chloroethoxy)methane	58		66		40-140	13		30
Hexachlorocyclopentadiene	46		56		40-140	20		30
Isophorone	57		65		40-140	13		30
Nitrobenzene	61		70		40-140	14		30
NDPA/DPA	60		62		40-140	3		30
n-Nitrosodi-n-propylamine	57		65		29-132	13		30
Bis(2-ethylhexyl)phthalate	65		70		40-140	7		30
Butyl benzyl phthalate	66		69		40-140	4		30
Di-n-butylphthalate	63		65		40-140	3		30
Di-n-octylphthalate	61		65		40-140	6		30
Diethyl phthalate	61		63		40-140	3		30
Dimethyl phthalate	59		65		40-140	10		30
Biphenyl	55		64		40-140	15		30
4-Chloroaniline	**24**	Q	**25**	Q	40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG994523-2 WG994523-3								
2-Nitroaniline	64		70		52-143	9		30
3-Nitroaniline	42		44		25-145	5		30
4-Nitroaniline	58		59		51-143	2		30
Dibenzofuran	55		60		40-140	9		30
1,2,4,5-Tetrachlorobenzene	50		61		2-134	20		30
Acetophenone	60		69		39-129	14		30
2,4,6-Trichlorophenol	58		63		30-130	8		30
p-Chloro-m-cresol	58		64		23-97	10		30
2-Chlorophenol	54		62		27-123	14		30
2,4-Dichlorophenol	60		69		30-130	14		30
2,4-Dimethylphenol	48		48		30-130	0		30
2-Nitrophenol	64		74		30-130	14		30
4-Nitrophenol	40		42		10-80	5		30
2,4-Dinitrophenol	61		64		20-130	5		30
4,6-Dinitro-o-cresol	71		73		20-164	3		30
Phenol	31		36		12-110	15		30
3-Methylphenol/4-Methylphenol	52		59		30-130	13		30
2,4,5-Trichlorophenol	59		66		30-130	11		30
Carbazole	58		60		55-144	3		30
Atrazine	74		76		40-140	3		30
Benzaldehyde	49		60		40-140	20		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG994523-2 WG994523-3								
Caprolactam	17		18		10-130	6		30
2,3,4,6-Tetrachlorophenol	59		61		40-140	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	45		52		21-120
Phenol-d6	33		37		10-120
Nitrobenzene-d5	70		81		23-120
2-Fluorobiphenyl	61		66		15-120
2,4,6-Tribromophenol	70		74		10-120
4-Terphenyl-d14	66		68		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG994525-2 WG994525-3								
Acenaphthene	73		85		37-111	15		40
2-Chloronaphthalene	72		86		40-140	18		40
Fluoranthene	89		90		40-140	1		40
Hexachlorobutadiene	54		68		40-140	23		40
Naphthalene	66		80		40-140	19		40
Benzo(a)anthracene	88		88		40-140	0		40
Benzo(a)pyrene	97		97		40-140	0		40
Benzo(b)fluoranthene	95		96		40-140	1		40
Benzo(k)fluoranthene	93		94		40-140	1		40
Chrysene	83		84		40-140	1		40
Acenaphthylene	80		94		40-140	16		40
Anthracene	84		90		40-140	7		40
Benzo(ghi)perylene	96		99		40-140	3		40
Fluorene	78		88		40-140	12		40
Phenanthrene	77		82		40-140	6		40
Dibenzo(a,h)anthracene	96		99		40-140	3		40
Indeno(1,2,3-cd)pyrene	102		104		40-140	2		40
Pyrene	89		90		26-127	1		40
2-Methylnaphthalene	69		83		40-140	18		40
Pentachlorophenol	91		93		9-103	2		40
Hexachlorobenzene	77		85		40-140	10		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG994525-2 WG994525-3								
Hexachloroethane	51		64		40-140	23		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		61		21-120
Phenol-d6	44		53		10-120
Nitrobenzene-d5	80		98		23-120
2-Fluorobiphenyl	75		89		15-120
2,4,6-Tribromophenol	94		100		10-120
4-Terphenyl-d14	93		92		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG994523-8 WG994523-9 QC Sample: L1711713-02 Client ID: MW-2-041317												
Bis(2-chloroethyl)ether	ND	40	20	50		21	53		40-140	5		30
3,3'-Dichlorobenzidine	ND	40	ND	**0**	Q	ND	**0**	Q	40-140	NC		30
2,4-Dinitrotoluene	ND	40	26	65		26	65		48-143	0		30
2,6-Dinitrotoluene	ND	40	26	65		27	68		40-140	4		30
4-Chlorophenyl phenyl ether	ND	40	23	58		23	58		40-140	0		30
4-Bromophenyl phenyl ether	ND	40	24	60		25	63		40-140	4		30
Bis(2-chloroisopropyl)ether	ND	40	19	48		20	50		40-140	5		30
Bis(2-chloroethoxy)methane	ND	40	23	58		23	58		40-140	0		30
Hexachlorocyclopentadiene	ND	40	19J	48		16.J	40		40-140	17		30
Isophorone	ND	40	23	58		23	58		40-140	0		30
Nitrobenzene	ND	40	22	55		23	58		40-140	4		30
NDPA/DPA	ND	40	24	60		23	58		40-140	4		30
n-Nitrosodi-n-propylamine	ND	40	22	55		22	55		29-132	0		30
Bis(2-ethylhexyl)phthalate	ND	40	24	60		24	60		40-140	0		30
Butyl benzyl phthalate	ND	40	24	60		24	60		40-140	0		30
Di-n-butylphthalate	ND	40	24	60		24	60		40-140	0		30
Di-n-octylphthalate	ND	40	24	60		24	60		40-140	0		30
Diethyl phthalate	ND	40	23	58		24	60		40-140	4		30
Dimethyl phthalate	ND	40	25	63		26	65		40-140	4		30
Biphenyl	ND	40	24	60		24	60		40-140	0		30
4-Chloroaniline	ND	40	10	**25**	Q	13	**33**	Q	40-140	26		30

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG994523-8 WG994523-9 QC Sample: L1711713-02 Client ID: MW-2-041317												
2-Nitroaniline	ND	40	30	75		30	75		52-143	0		30
3-Nitroaniline	ND	40	18	45		16	40		25-145	12		30
4-Nitroaniline	ND	40	24	60		25	63		51-143	4		30
Dibenzofuran	ND	40	22	55		22	55		40-140	0		30
1,2,4,5-Tetrachlorobenzene	ND	40	23	58		23	58		2-134	0		30
Acetophenone	ND	40	23	58		24	60		39-129	4		30
2,4,6-Trichlorophenol	ND	40	26	65		27	68		30-130	4		30
p-Chloro-m-cresol	ND	40	24	60		24	60		23-97	0		30
2-Chlorophenol	ND	40	21	53		22	55		27-123	5		30
2,4-Dichlorophenol	ND	40	25	63		26	65		30-130	4		30
2,4-Dimethylphenol	ND	40	19	48		21	53		30-130	10		30
2-Nitrophenol	ND	40	26	65		27	68		30-130	4		30
4-Nitrophenol	ND	40	18	45		19	48		10-80	5		30
2,4-Dinitrophenol	ND	40	35	88		34	85		20-130	3		30
4,6-Dinitro-o-cresol	ND	40	33	83		32	80		20-164	3		30
Phenol	ND	40	11	28		12	30		12-110	9		30
3-Methylphenol/4-Methylphenol	ND	40	20	50		21	53		30-130	5		30
2,4,5-Trichlorophenol	ND	40	27	68		27	68		30-130	0		30
Carbazole	ND	40	24	60		24	60		55-144	0		30
Atrazine	ND	40	28	70		27	68		40-140	4		30
Benzaldehyde	ND	40	16	40		16	40		40-140	0		30

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG994523-8 WG994523-9 QC Sample: L1711713-02 Client ID: MW-2-041317												
Caprolactam	ND	40	7.2J	18		7.8J	20		10-130	8		30
2,3,4,6-Tetrachlorophenol	ND	40	27	68		26	65		40-140	4		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	71		71		10-120
2-Fluorobiphenyl	61		61		15-120
2-Fluorophenol	39		42		21-120
4-Terphenyl-d14	61		62		41-149
Nitrobenzene-d5	59		62		23-120
Phenol-d6	31		33		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG994525-8 WG994525-9 QC Sample: L1711713-02 Client ID: MW-2-041317												
Acenaphthene	ND	40	28	70		27	68		37-111	4		40
2-Chloronaphthalene	ND	40	27	68		26	65		40-140	4		40
Fluoranthene	ND	40	32	80		30	75		40-140	6		40
Hexachlorobutadiene	ND	40	23	58		22	55		40-140	4		40
Naphthalene	0.05J	40	25	63		25	63		40-140	0		40
Benzo(a)anthracene	ND	40	32	80		30	75		40-140	6		40
Benzo(a)pyrene	ND	40	32	80		30	75		40-140	6		40
Benzo(b)fluoranthene	0.04J	40	33	83		31	78		40-140	6		40
Benzo(k)fluoranthene	ND	40	31	78		29	73		40-140	7		40
Chrysene	ND	40	31	78		29	73		40-140	7		40
Acenaphthylene	ND	40	30	75		28	70		40-140	7		40
Anthracene	ND	40	30	75		29	73		40-140	3		40
Benzo(ghi)perylene	ND	40	33	83		31	78		40-140	6		40
Fluorene	ND	40	31	78		29	73		40-140	7		40
Phenanthrene	0.05J	40	30	75		28	70		40-140	7		40
Dibenzo(a,h)anthracene	ND	40	33	83		30	75		40-140	10		40
Indeno(1,2,3-cd)pyrene	ND	40	34	85		32	80		40-140	6		40
Pyrene	ND	40	31	78		29	73		26-127	7		40
2-Methylnaphthalene	ND	40	28	70		26	65		40-140	7		40
Pentachlorophenol	ND	40	35	88		30	75		9-103	15		40
Hexachlorobenzene	ND	40	30	75		28	70		40-140	7		40

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG994525-8 WG994525-9 QC Sample: L1711713-02 Client ID: MW-2-041317												
Hexachloroethane	ND	40	20	50		21	53		40-140	5		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	95		89		10-120
2-Fluorobiphenyl	82		77		15-120
2-Fluorophenol	50		51		21-120
4-Terphenyl-d14	87		82		41-149
Nitrobenzene-d5	79		77		23-120
Phenol-d6	42		41		10-120

PCBS

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/17/17 18:18
Analyst: AF

Date Collected: 04/12/17 14:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 09:55
Cleanup Method: EPA 3665A
Cleanup Date: 04/16/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/17/17 18:32
Analyst: AF

Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 09:55
Cleanup Method: EPA 3665A
Cleanup Date: 04/16/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03
Client ID: EQUIPMENT BLANK 041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/17/17 18:46
Analyst: AF

Date Collected: 04/13/17 08:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 09:55
Cleanup Method: EPA 3665A
Cleanup Date: 04/16/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/17/17 18:59
Analyst: AF

Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 09:55
Cleanup Method: EPA 3665A
Cleanup Date: 04/16/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/17/17 19:13
Analyst: AF

Date Collected: 04/13/17 12:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 09:55
Cleanup Method: EPA 3665A
Cleanup Date: 04/16/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/17/17 19:27
Analyst: AF

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 09:55
Cleanup Method: EPA 3665A
Cleanup Date: 04/16/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID:	L1711713-07	Date Collected:	04/13/17 15:30
Client ID:	MW-6-041317 DUP	Date Received:	04/13/17
Sample Location:	350 NIAGARA ST BUFFALO	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	04/16/17 09:55
Analytical Date:	04/17/17 19:40	Cleanup Method:	EPA 3665A
Analyst:	AF	Cleanup Date:	04/16/17
		Cleanup Method:	EPA 3660B
		Cleanup Date:	04/16/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/17/17 17:10
Analyst: AF

Extraction Method: EPA 3510C
Extraction Date: 04/16/17 09:55
Cleanup Method: EPA 3665A
Cleanup Date: 04/16/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG994707-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG994707-2 WG994707-3									
Aroclor 1016	73		77		40-140	5		50	A
Aroclor 1260	82		93		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		80		30-150	A
Decachlorobiphenyl	87		108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		86		30-150	B
Decachlorobiphenyl	72		90		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG994707-4 WG994707-5 QC Sample: L1711713-02 Client ID: MW-2-041317													
Aroclor 1016	ND	2.6	1.47	56		2.03	78		40-140	32		50	A
Aroclor 1260	ND	2.6	1.73	66		2.39	92		40-140	32		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		83		30-150	A
Decachlorobiphenyl	108		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		89		30-150	B
Decachlorobiphenyl	87		76		30-150	B

PESTICIDES

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/23/17 10:53
Analyst: KEG

Date Collected: 04/12/17 14:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	0.054	P	ug/l	0.020	0.004	1	B
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/20/17 16:57
Analyst: EC

Date Collected: 04/12/17 14:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/19/17 18:35

Methylation Date: 04/20/17 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	20.0	0.996	1	A
2,4,5-T	ND		ug/l	4.00	1.06	1	A
2,4,5-TP (Silvex)	ND		ug/l	4.00	1.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	73		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/23/17 11:06
Analyst: KEG

Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND	PI	ug/l	0.020	0.007	1	B
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/20/17 17:19
Analyst: EC

Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/19/17 18:35

Methylation Date: 04/20/17 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	74		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03
Client ID: EQUIPMENT BLANK 041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/23/17 11:44
Analyst: KEG

Date Collected: 04/13/17 08:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	B
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	B
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03
Client ID: EQUIPMENT BLANK 041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/21/17 17:14
Analyst: EC

Date Collected: 04/13/17 08:15
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/19/17 18:35

Methylation Date: 04/20/17 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	49		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/23/17 11:56
Analyst: KEG

Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	0.007	J	ug/l	0.020	0.006	1	B
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/21/17 17:33
Analyst: EC

Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/19/17 18:35

Methylation Date: 04/20/17 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**152**	Q	30-150	A
DCAA	67		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/23/17 12:09
Analyst: KEG

Date Collected: 04/13/17 12:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	0.016	JPI	ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	0.014	JPI	ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/21/17 17:53
Analyst: EC

Date Collected: 04/13/17 12:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/19/17 18:35

Methylation Date: 04/20/17 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	128		30-150	A
DCAA	65		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/23/17 12:21
Analyst: KEG

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	0.017	J	ug/l	0.020	0.003	1	B
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	0.008	J	ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/21/17 18:12
Analyst: EC

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/19/17 18:35

Methylation Date: 04/20/17 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	116		30-150	A
DCAA	59		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/23/17 12:34
Analyst: KEG

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/16/17 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	117		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/21/17 18:32
Analyst: EC

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/19/17 18:35

Methylation Date: 04/20/17 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	123		30-150	A
DCAA	62		30-150	B

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/23/17 10:15
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 04/16/17 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG994729-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	0.008	J	ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A
Heptachlor	0.0090	J	ug/l	0.020	0.003	B
Endrin aldehyde	ND		ug/l	0.040	0.008	B

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/23/17 10:15
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 04/16/17 15:47

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG994729-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	115		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 04/20/17 15:53
Analyst: EC

Extraction Method: EPA 8151A
Extraction Date: 04/19/17 18:35

Methylation Date: 04/20/17 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-07 Batch: WG995757-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	67		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG994729-2 WG994729-3									
Delta-BHC	**159**	Q	146		30-150	9		20	A
Lindane	141		128		30-150	10		20	A
Alpha-BHC	149		137		30-150	8		20	A
Beta-BHC	132		124		30-150	6		20	A
Heptachlor	121		110		30-150	10		20	A
Aldrin	127		116		30-150	9		20	A
Heptachlor epoxide	135		124		30-150	8		20	A
Endrin	141		128		30-150	10		20	A
Endrin aldehyde	123		116		30-150	6		20	A
Endrin ketone	145		133		30-150	9		20	A
Dieldrin	147		134		30-150	9		20	A
4,4'-DDE	142		130		30-150	9		20	A
4,4'-DDD	145		133		30-150	9		20	A
4,4'-DDT	135		122		30-150	10		20	A
Endosulfan I	139		125		30-150	11		20	A
Endosulfan II	138		126		30-150	9		20	A
Endosulfan sulfate	138		127		30-150	8		20	A
Methoxychlor	124		112		30-150	10		20	A
cis-Chlordane	129		119		30-150	8		20	A
trans-Chlordane	132		122		30-150	8		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG994729-2 WG994729-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	119		111		30-150	A
Decachlorobiphenyl	103		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	135		125		30-150	B
Decachlorobiphenyl	113		106		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG995757-2 WG995757-3									
2,4-D	76		76		30-150	0		25	A
2,4,5-T	83		83		30-150	0		25	A
2,4,5-TP (Silvex)	80		81		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	71		72		30-150	A
DCAA	76		83		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG994729-4 WG994729-5 QC Sample: L1711713-02 Client ID: MW-2-041317													
Delta-BHC	ND	0.5	0.645	129		0.657	131		30-150	2		30	A
Lindane	ND	0.5	0.569	114		0.580	116		30-150	2		30	A
Alpha-BHC	ND	0.5	0.593	119		0.614	123		30-150	3		30	A
Beta-BHC	ND	0.5	0.498	100		0.526	105		30-150	5		30	A
Heptachlor	ND	0.5	0.490	98		0.496	99		30-150	1		30	A
Aldrin	ND	0.5	0.514	103		0.510	102		30-150	1		30	A
Heptachlor epoxide	ND	0.5	0.567	113		0.597	119		30-150	5		30	A
Endrin	ND	0.5	0.585	117		0.610	122		30-150	4		30	A
Endrin aldehyde	ND	0.5	0.495	99		0.506	101		30-150	2		30	A
Endrin ketone	ND	0.5	0.594	119		0.620	124		30-150	4		30	A
Dieldrin	ND	0.5	0.590	118		0.605	121		30-150	3		30	A
4,4'-DDE	ND	0.5	0.569	114		0.586	117		30-150	3		30	A
4,4'-DDD	ND	0.5	0.622	124		0.628	126		30-150	1		30	A
4,4'-DDT	ND	0.5	0.586	117		0.591	118		30-150	1		30	A
Endosulfan I	ND	0.5	0.536	107		0.577	115		30-150	7		30	A
Endosulfan II	ND	0.5	0.583	117		0.569	114		30-150	2		30	A
Endosulfan sulfate	ND	0.5	0.566	113		0.576	115		30-150	2		30	A
Methoxychlor	ND	0.5	0.511	102		0.514	103		30-150	1		30	A
cis-Chlordane	ND	0.5	0.427	85		0.411	82		30-150	4		30	B
trans-Chlordane	ND	0.5	0.543	109		0.533	107		30-150	2		30	A

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG994729-4 WG994729-5 QC Sample: L1711713-02 Client ID: MW-2-041317												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		95		30-150	A
Decachlorobiphenyl	76		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		74		30-150	B
Decachlorobiphenyl	63		62		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG995757-4 WG995757-5 QC Sample: L1711713-02 Client ID: MW-2-041317													
2,4-D	ND	10	8.24J	82		8.20J	82		30-150	0		25	A
2,4,5-T	ND	10	8.96	90		9.04	90		30-150	1		25	A
2,4,5-TP (Silvex)	ND	10	8.77	88		8.94	89		30-150	2		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	91		88		30-150	A
DCAA	74		72		30-150	B

METALS

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Date Collected: 04/12/17 14:15
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.144		mg/l	0.0100	0.00327	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Antimony, Total	0.00239	J	mg/l	0.00400	0.00042	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Arsenic, Total	0.00088		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Barium, Total	0.07813		mg/l	0.00050	0.00017	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Cadmium, Total	0.00011	J	mg/l	0.00020	0.00005	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Calcium, Total	200.		mg/l	0.100	0.0394	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Chromium, Total	0.00058	J	mg/l	0.00100	0.00017	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Cobalt, Total	0.00146		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Copper, Total	0.00099	J	mg/l	0.00100	0.00038	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Iron, Total	0.262		mg/l	0.0500	0.0191	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Lead, Total	0.00047	J	mg/l	0.00100	0.00034	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Magnesium, Total	49.3		mg/l	0.0700	0.0242	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Manganese, Total	0.1966		mg/l	0.00100	0.00044	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:25	04/19/17 20:16	EPA 7470A	1,7470A	EA
Nickel, Total	0.00224		mg/l	0.00200	0.00055	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Potassium, Total	3.72		mg/l	0.100	0.0309	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Selenium, Total	0.00369	J	mg/l	0.00500	0.00173	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Sodium, Total	497.		mg/l	0.100	0.0293	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV
Zinc, Total	0.00409	J	mg/l	0.01000	0.00341	1	04/17/17 11:20	04/19/17 13:04	EPA 3005A	1,6020A	BV

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0346		mg/l	0.0100	0.00327	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Antimony, Total	0.00215	J	mg/l	0.00400	0.00042	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Arsenic, Total	0.00471		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Barium, Total	0.09105		mg/l	0.00050	0.00017	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Calcium, Total	202.		mg/l	0.100	0.0394	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Chromium, Total	0.00056	J	mg/l	0.00100	0.00017	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Cobalt, Total	0.00111		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Copper, Total	0.00039	J	mg/l	0.00100	0.00038	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Iron, Total	2.92		mg/l	0.0500	0.0191	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Magnesium, Total	54.6		mg/l	0.0700	0.0242	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Manganese, Total	0.4060		mg/l	0.00100	0.00044	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:25	04/19/17 19:40	EPA 7470A	1,7470A	EA
Nickel, Total	0.00392		mg/l	0.00200	0.00055	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Potassium, Total	2.69		mg/l	0.100	0.0309	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Sodium, Total	116.		mg/l	0.100	0.0293	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Vanadium, Total	0.00162	J	mg/l	0.00500	0.00157	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/17/17 11:20	04/19/17 12:18	EPA 3005A	1,6020A	BV

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03
Client ID: EQUIPMENT BLANK 041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 08:15
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00751	J	mg/l	0.0100	0.00327	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Barium, Total	0.00063		mg/l	0.00050	0.00017	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Calcium, Total	0.0769	J	mg/l	0.100	0.0394	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Chromium, Total	0.00024	J	mg/l	0.00100	0.00017	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Copper, Total	0.00042	J	mg/l	0.00100	0.00038	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Manganese, Total	0.00063	J	mg/l	0.00100	0.00044	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:25	04/19/17 20:17	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Sodium, Total	0.239		mg/l	0.100	0.0293	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/17/17 11:20	04/19/17 12:12	EPA 3005A	1,6020A	BV

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.240		mg/l	0.0100	0.00327	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Antimony, Total	0.00063	J	mg/l	0.00400	0.00042	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Arsenic, Total	0.00293		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Barium, Total	0.1104		mg/l	0.00050	0.00017	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Calcium, Total	228.		mg/l	0.100	0.0394	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Chromium, Total	0.00133		mg/l	0.00100	0.00017	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Cobalt, Total	0.00099		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Copper, Total	0.00098	J	mg/l	0.00100	0.00038	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Iron, Total	3.21		mg/l	0.0500	0.0191	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Lead, Total	0.00106		mg/l	0.00100	0.00034	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Magnesium, Total	59.1		mg/l	0.0700	0.0242	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Manganese, Total	0.3312		mg/l	0.00100	0.00044	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:25	04/19/17 20:19	EPA 7470A	1,7470A	EA
Nickel, Total	0.00550		mg/l	0.00200	0.00055	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Potassium, Total	3.13		mg/l	0.100	0.0309	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Sodium, Total	154.		mg/l	0.100	0.0293	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV
Zinc, Total	0.00730	J	mg/l	0.01000	0.00341	1	04/17/17 11:20	04/19/17 13:07	EPA 3005A	1,6020A	BV

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water
Date Collected: 04/13/17 12:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0923		mg/l	0.0100	0.00327	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Antimony, Total	0.00061	J	mg/l	0.00400	0.00042	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Arsenic, Total	0.00079		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Barium, Total	0.05894		mg/l	0.00050	0.00017	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Cadmium, Total	0.00021		mg/l	0.00020	0.00005	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Calcium, Total	206.		mg/l	0.100	0.0394	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Chromium, Total	0.00147		mg/l	0.00100	0.00017	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Cobalt, Total	0.00349		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Copper, Total	0.00263		mg/l	0.00100	0.00038	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Iron, Total	0.225		mg/l	0.0500	0.0191	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Lead, Total	0.00049	J	mg/l	0.00100	0.00034	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Magnesium, Total	44.6		mg/l	0.0700	0.0242	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Manganese, Total	0.2574		mg/l	0.00100	0.00044	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:25	04/19/17 20:21	EPA 7470A	1,7470A	EA
Nickel, Total	0.00524		mg/l	0.00200	0.00055	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Potassium, Total	9.29		mg/l	0.100	0.0309	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Selenium, Total	0.00396	J	mg/l	0.00500	0.00173	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Sodium, Total	143.		mg/l	0.100	0.0293	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV
Zinc, Total	0.00503	J	mg/l	0.01000	0.00341	1	04/17/17 11:20	04/19/17 13:10	EPA 3005A	1,6020A	BV

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.210		mg/l	0.0100	0.00327	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Antimony, Total	0.00053	J	mg/l	0.00400	0.00042	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Arsenic, Total	0.00086		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Barium, Total	0.04218		mg/l	0.00050	0.00017	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Calcium, Total	176.		mg/l	0.100	0.0394	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Chromium, Total	0.00065	J	mg/l	0.00100	0.00017	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Cobalt, Total	0.00234		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Copper, Total	0.00164		mg/l	0.00100	0.00038	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Iron, Total	0.378		mg/l	0.0500	0.0191	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Lead, Total	0.00069	J	mg/l	0.00100	0.00034	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Magnesium, Total	45.7		mg/l	0.0700	0.0242	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Manganese, Total	0.2662		mg/l	0.00100	0.00044	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:25	04/19/17 19:49	EPA 7470A	1,7470A	EA
Nickel, Total	0.00404		mg/l	0.00200	0.00055	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Potassium, Total	3.14		mg/l	0.100	0.0309	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Selenium, Total	0.00515		mg/l	0.00500	0.00173	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Sodium, Total	26.4		mg/l	0.100	0.0293	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV
Zinc, Total	0.00496	J	mg/l	0.01000	0.00341	1	04/17/17 11:20	04/19/17 12:37	EPA 3005A	1,6020A	BV

Project Name: RITE AID - BUFFALO
Lab Number: L1711713
Project Number: 055.001
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.176		mg/l	0.0100	0.00327	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Antimony, Total	0.00070	J	mg/l	0.00400	0.00042	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Arsenic, Total	0.00079		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Barium, Total	0.04115		mg/l	0.00050	0.00017	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Calcium, Total	177.		mg/l	0.100	0.0394	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Chromium, Total	0.00069	J	mg/l	0.00100	0.00017	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Cobalt, Total	0.00228		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Copper, Total	0.00171		mg/l	0.00100	0.00038	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Iron, Total	0.330		mg/l	0.0500	0.0191	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Lead, Total	0.00068	J	mg/l	0.00100	0.00034	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Magnesium, Total	47.2		mg/l	0.0700	0.0242	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Manganese, Total	0.2709		mg/l	0.00100	0.00044	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:25	04/19/17 20:23	EPA 7470A	1,7470A	EA
Nickel, Total	0.00448		mg/l	0.00200	0.00055	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Potassium, Total	3.14		mg/l	0.100	0.0309	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Selenium, Total	0.00450	J	mg/l	0.00500	0.00173	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Sodium, Total	27.3		mg/l	0.100	0.0293	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV
Zinc, Total	0.00469	J	mg/l	0.01000	0.00341	1	04/17/17 11:20	04/19/17 13:13	EPA 3005A	1,6020A	BV

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG994867-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/17/17 11:20	04/19/17 12:09	1,6020A	BV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG995333-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:25	04/19/17 19:36	1,7470A	EA

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG994867-2								
Aluminum, Total	101		-		80-120	-		
Antimony, Total	87		-		80-120	-		
Arsenic, Total	95		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	99		-		80-120	-		
Cadmium, Total	98		-		80-120	-		
Calcium, Total	101		-		80-120	-		
Chromium, Total	97		-		80-120	-		
Cobalt, Total	97		-		80-120	-		
Copper, Total	97		-		80-120	-		
Iron, Total	108		-		80-120	-		
Lead, Total	105		-		80-120	-		
Magnesium, Total	100		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	98		-		80-120	-		
Selenium, Total	88		-		80-120	-		
Silver, Total	96		-		80-120	-		
Sodium, Total	98		-		80-120	-		
Thallium, Total	103		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG994867-2					
Zinc, Total	92	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG995333-2					
Mercury, Total	110	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG994867-3 WG994867-4 QC Sample: L1711713-02 Client ID: MW-2-041317												
Aluminum, Total	0.0346	2	2.25	111		2.19	108		75-125	3		20
Antimony, Total	0.00215J	0.5	0.5360	107		0.5106	102		75-125	5		20
Arsenic, Total	0.00471	0.12	0.1262	101		0.1240	99		75-125	2		20
Barium, Total	0.09105	2	2.212	106		2.043	98		75-125	8		20
Beryllium, Total	ND	0.05	0.05056	101		0.05094	102		75-125	1		20
Cadmium, Total	ND	0.051	0.05648	111		0.05195	102		75-125	8		20
Calcium, Total	202.	10	211	90		208	**60**	Q	75-125	1		20
Chromium, Total	0.00056J	0.2	0.2080	104		0.2006	100		75-125	4		20
Cobalt, Total	0.00111	0.5	0.5034	100		0.4969	99		75-125	1		20
Copper, Total	0.00039J	0.25	0.2596	104		0.2501	100		75-125	4		20
Iron, Total	2.92	1	4.12	120		4.01	109		75-125	3		20
Lead, Total	ND	0.51	0.5744	113		0.5625	110		75-125	2		20
Magnesium, Total	54.6	10	86.3	**317**	Q	86.5	**319**	Q	75-125	0		20
Manganese, Total	0.4060	0.5	0.9385	106		0.9150	102		75-125	3		20
Nickel, Total	0.00392	0.5	0.5124	102		0.4929	98		75-125	4		20
Potassium, Total	2.69	10	13.6	109		12.8	101		75-125	6		20
Selenium, Total	ND	0.12	0.132	110		0.122	102		75-125	8		20
Silver, Total	ND	0.05	0.05175	104		0.04921	98		75-125	5		20
Sodium, Total	116.	10	146	**300**	Q	148	**320**	Q	75-125	1		20
Thallium, Total	ND	0.12	0.1330	111		0.1299	108		75-125	2		20
Vanadium, Total	0.00162J	0.5	0.5244	105		0.5108	102		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG994867-3 WG994867-4 QC Sample: L1711713-02 Client ID: MW-2-041317									
Zinc, Total	ND	0.5	0.5097	102	0.4869	97	75-125	5	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG995333-3 WG995333-4 QC Sample: L1711713-02 Client ID: MW-2-041317									
Mercury, Total	ND	0.005	0.00452	90	0.00457	92	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG995333-5 QC Sample: L1711713-06 Client ID: MW-6-041317									
Mercury, Total	ND	0.005	0.00450	90	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG994867-5 QC Sample: L1711713-06 Client ID: MW-6-041317						
Aluminum, Total	0.210	0.226	mg/l	7		20
Antimony, Total	0.00053J	0.00053J	mg/l	NC		20
Arsenic, Total	0.00086	0.00084	mg/l	2		20
Barium, Total	0.04218	0.04298	mg/l	2		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	176.	184	mg/l	4		20
Chromium, Total	0.00065J	0.00066J	mg/l	NC		20
Cobalt, Total	0.00234	0.00229	mg/l	2		20
Copper, Total	0.00164	0.00164	mg/l	0		20
Iron, Total	0.378	0.392	mg/l	4		20
Lead, Total	0.00069J	0.00073J	mg/l	NC		20
Magnesium, Total	45.7	48.2	mg/l	5		20
Manganese, Total	0.2662	0.2764	mg/l	4		20
Nickel, Total	0.00404	0.00437	mg/l	8		20
Potassium, Total	3.14	3.25	mg/l	3		20
Selenium, Total	0.00515	0.00553	mg/l	7		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	26.4	27.7	mg/l	5		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG994867-5 QC Sample: L1711713-06 Client ID: MW-6-041317					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.00496J	0.00518J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG995333-6 QC Sample: L1711713-06 Client ID: MW-6-041317					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-01
Client ID: MW-8-041217
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/12/17 14:15
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	04/18/17 22:15	04/19/17 14:07	1,9010C/9012B	DE

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-02
Client ID: MW-2-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 09:00
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/18/17 22:15	04/19/17 14:08	1,9010C/9012B	DE

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-03
Client ID: EQUIPMENT BLANK 041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 08:15
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/18/17 22:15	04/19/17 14:30	1,9010C/9012B	DE

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-04
Client ID: MW-1-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 10:50
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/18/17 22:15	04/19/17 14:13	1,9010C/9012B	DE

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-05
Client ID: MW-9-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 12:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/18/17 22:15	04/19/17 14:13	1,9010C/9012B	DE

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-06
Client ID: MW-6-041317
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/18/17 22:15	04/19/17 14:14	1,9010C/9012B	DE

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711713-07
Client ID: MW-6-041317 DUP
Sample Location: 350 NIAGARA ST BUFFALO
Matrix: Water

Date Collected: 04/13/17 15:30
Date Received: 04/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/18/17 22:15	04/19/17 14:15	1,9010C/9012B	DE

Project Name: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG994654-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/18/17 22:15	04/19/17 14:03	1,9010C/9012B	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID - BUFFALO

Project Number: 055.001

Lab Number: L1711713

Report Date: 04/24/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG994654-2 WG994654-3								
Cyanide, Total	97		97		85-115	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG994654-4 WG994654-5 QC Sample: L1711713-02 Client ID: MW-2-041317												
Cyanide, Total	ND	0.2	0.198	99		0.196	98		80-120	1		20

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information	Custody Seal
Cooler	
A	Absent
D	Absent
B	Absent
C	Absent
E	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1711713-01A	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-01B	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-01C	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-01D	Plastic 250ml HNO3 preserved	D	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1711713-01E	Plastic 250ml NaOH preserved	D	>12	2.6	Y	Absent	TCN-9010(14)
L1711713-01F	Amber 500ml unpreserved	D	7	2.6	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-01G	Amber 500ml unpreserved	D	7	2.6	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-01H	Amber 1000ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-01I	Amber 1000ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-01J	Amber 1000ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-01K	Amber 1000ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-02A	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-02A1	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-02A2	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-02B	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-02B1	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-02B2	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-02C	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1711713-02C1	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-02C2	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-02D	Plastic 250ml HNO3 preserved	C	<2	4.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1711713-02D1	Plastic 250ml HNO3 preserved	D	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1711713-02D2	Plastic 250ml HNO3 preserved	C	<2	4.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1711713-02E	Plastic 250ml NaOH preserved	C	>12	4.6	Y	Absent	TCN-9010(14)
L1711713-02E1	Plastic 250ml NaOH preserved	D	>12	2.6	Y	Absent	TCN-9010(14)
L1711713-02E2	Plastic 250ml NaOH preserved	C	>12	4.6	Y	Absent	TCN-9010(14)
L1711713-02F	Amber 500ml unpreserved	C	7	4.6	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-02F1	Amber 500ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8081(7)
L1711713-02F2	Amber 500ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8081(7)
L1711713-02G	Amber 500ml unpreserved	C	7	4.6	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-02G1	Amber 500ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8081(7)
L1711713-02G2	Amber 500ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8081(7)
L1711713-02H	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-02H1	Amber 1000ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1711713-02H2	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-02I	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-02I1	Amber 1000ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-02I2	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-02J	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-02J1	Amber 1000ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-02J2	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-02K	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-02K1	Amber 1000ml unpreserved	D	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-02K2	Amber 1000ml unpreserved	C	7	4.6	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-03A	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-03B	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-03C	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-03D	Plastic 250ml HNO3 preserved	E	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1711713-03E	Plastic 250ml NaOH preserved	E	>12	2.5	Y	Absent	TCN-9010(14)
L1711713-03F	Amber 500ml unpreserved	E	7	2.5	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-03G	Amber 500ml unpreserved	E	7	2.5	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-03H	Amber 1000ml unpreserved	E	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-03I	Amber 1000ml unpreserved	E	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-03J	Amber 1000ml unpreserved	E	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-03K	Amber 1000ml unpreserved	E	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-04A	Vial HCl preserved	E	N/A	2.5	Y	Absent	NYTCL-8260-R2(14)
L1711713-04B	Vial HCl preserved	E	N/A	2.5	Y	Absent	NYTCL-8260-R2(14)
L1711713-04C	Vial HCl preserved	E	N/A	2.5	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1711713-04D	Plastic 250ml HNO3 preserved	E	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1711713-04E	Plastic 250ml NaOH preserved	E	>12	2.5	Y	Absent	TCN-9010(14)
L1711713-04F	Amber 500ml unpreserved	E	7	2.5	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-04G	Amber 500ml unpreserved	E	7	2.5	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-04H	Amber 1000ml unpreserved	E	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-04I	Amber 1000ml unpreserved	E	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-04J	Amber 1000ml unpreserved	E	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-04K	Amber 1000ml unpreserved	E	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-05A	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-05B	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-05C	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-05D	Plastic 250ml HNO3 preserved	A	<2	4.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1711713-05E	Plastic 250ml NaOH preserved	A	>12	4.8	Y	Absent	TCN-9010(14)
L1711713-05F	Amber 500ml unpreserved	A	7	4.8	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-05G	Amber 500ml unpreserved	A	7	4.8	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-05H	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-05I	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-05J	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-05K	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-06A	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-06B	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: RITE AID - BUFFALO
Project Number: 055.001

Lab Number: L1711713
Report Date: 04/24/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1711713-06D	Plastic 250ml HNO3 preserved	B	<2	4.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1711713-06E	Plastic 250ml NaOH preserved	B	>12	4.0	Y	Absent	TCN-9010(14)
L1711713-06F	Amber 500ml unpreserved	B	7	4.0	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-06G	Amber 500ml unpreserved	B	7	4.0	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-06H	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-06I	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-06J	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-06K	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-07A	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-07B	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-07C	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)
L1711713-07D	Plastic 250ml HNO3 preserved	B	<2	4.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1711713-07E	Plastic 250ml NaOH preserved	B	>12	4.0	Y	Absent	TCN-9010(14)
L1711713-07F	Amber 500ml unpreserved	B	7	4.0	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-07G	Amber 500ml unpreserved	B	7	4.0	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1711713-07H	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-07I	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1711713-07J	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-07K	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	NYTCL-8082-1200ML(7)
L1711713-08A	Vial HCl preserved	D	N/A	2.6	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	RITE AID - BUFFALO	**Lab Number:**	L1711713
Project Number:	055.001	**Report Date:**	04/24/17

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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

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

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	RITE AID - BUFFALO	**Lab Number:**	L1711713
Project Number:	055.001	**Report Date:**	04/24/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

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.

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: RITE AID - BUFFALO
Project Number: 055.001
Lab Number: L1711713
Report Date: 04/24/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 4/14/17

ALPHA Job #: L1711713

Client Information
Client: Leader Professional
Address: 271 Marsh Rd Suite 2
Pittsford, NY 14534
Phone: 585-248-2413
Fax:
Email: Pvanschoonderbeek@leaderfink.com

Project Information
Project Name: Rite Aid - Buffalo
Project Location: 350 Niagara St Buffalo
Project #: 055.001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ 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	VOCs 10 TICs	SVOCs - TCL	PCBs	TAL Metals (Dissolved)	Pesticides	Total Bottle	Sample Specific Comments
11713 - 01	MW-8-041217	4/12/17	1415	GW	MA	X	X	X	X	X	11	
02	MW-2-041317	4/13/17	0900			X	X	X	X	X	17	
02	MW-2-041317 MS/MSD		0900			X	X	X	X	X	22	
03	Equipment Blank 041317		0815	DW		X	X	X	X	X	11	
04	MW-1-041317		1050	GW		X	X	X	X	X	11	
05	MW-9-041317		1230			X	X	X	X	X	11	
06	MW-6-041317		1530	GW		X	X	X	X	X	10	
07	MW-6-041317 Dup		1530	GW		X	X	X	X	X	11	
08	Trip Blank	4/12/17		DW		X					1	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
	4/13/17 1610	AAL	4/13/17 1610
AAL	4/13/17 1610		4/14/17 0035

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1712051
Client:	Leader Professional Services, Inc. 271 Marsh Road, Suite 2 Pittsford, NY 14534
ATTN:	Peter Von Schondorf
Phone:	(585) 248-2413
Project Name:	RITE-AID - BUFFALO
Project Number:	055.002
Report Date:	04/25/17

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1712051-01	MW-3-041717	WATER	350 NIAGARA ST., BUFFALO, NY	04/17/17 08:00	04/17/17
L1712051-02	MW-7-041717	WATER	350 NIAGARA ST., BUFFALO, NY	04/17/17 10:30	04/17/17
L1712051-03	MW-5-041717	WATER	350 NIAGARA ST., BUFFALO, NY	04/17/17 12:30	04/17/17
L1712051-04	MW-4-041717	WATER	350 NIAGARA ST., BUFFALO, NY	04/17/17 14:35	04/17/17
L1712051-05	TRIP BLANK	WATER	350 NIAGARA ST., BUFFALO, NY	04/17/17 00:00	04/17/17

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC 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. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

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

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

Project Name:	RITE-AID - BUFFALO	**Lab Number:**	L1712051
Project Number:	055.002	**Report Date:**	04/25/17

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.

Sample Receipt

The analyses performed were specified by the client.

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

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 04/25/17

ORGANICS

VOLATILES

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01 D
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/23/17 00:00
Analyst: PD

Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	260		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	1.7	J	ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	66		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: RITE-AID - BUFFALO **Lab Number:** L1712051

Project Number: 055.002 **Report Date:** 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01 D Date Collected: 04/17/17 08:00

Client ID: MW-3-041717 Date Received: 04/17/17

Sample Location: 350 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	33		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
1,4-Dioxane	ND		ug/l	1000	240	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4
Tentatively Identified Compounds						
Total TIC Compounds	8.32	J	ug/l			4
Unknown	8.32	J	ug/l			4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	103		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/21/17 14:56
Analyst: PD

Date Collected: 04/17/17 10:30
Date Received: 04/17/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Date Collected: 04/17/17 10:30
Date Received: 04/17/17
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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

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

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03 D
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/21/17 14:23
Analyst: PD

Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	99		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	5.8	J	ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	4.1	J	ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	1100		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: RITE-AID - BUFFALO **Lab Number:** L1712051

Project Number: 055.002 **Report Date:** 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03 D Date Collected: 04/17/17 12:30

Client ID: MW-5-041717 Date Received: 04/17/17

Sample Location: 350 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	76		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/21/17 15:28
Analyst: PD

Date Collected: 04/17/17 14:35
Date Received: 04/17/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1712051

Project Number: 055.002 **Report Date:** 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04 Date Collected: 04/17/17 14:35

Client ID: MW-4-041717 Date Received: 04/17/17

Sample Location: 350 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-05
Client ID: TRIP BLANK
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/21/17 13:18
Analyst: PD

Date Collected: 04/17/17 00:00
Date Received: 04/17/17
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	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE-AID - BUFFALO **Lab Number:** L1712051

Project Number: 055.002 **Report Date:** 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-05 Date Collected: 04/17/17 00:00

Client ID: TRIP BLANK Date Received: 04/17/17

Sample Location: 350 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	109		70-130

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/21/17 11:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG996701-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/21/17 11:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG996701-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/21/17 11:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG996701-5					

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

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/22/17 16:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG996929-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/22/17 16:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG996929-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/22/17 16:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG996929-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG996701-3 WG996701-4								
Methylene chloride	100		120		70-130	18		20
1,1-Dichloroethane	98		120		70-130	20		20
Chloroform	100		120		70-130	18		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	93		98		70-130	5		20
Dibromochloromethane	110		100		63-130	10		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	100		97		75-130	3		20
Trichlorofluoromethane	93		100		62-150	7		20
1,2-Dichloroethane	97		99		70-130	2		20
1,1,1-Trichloroethane	99		100		67-130	1		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	90		98		70-130	9		20
cis-1,3-Dichloropropene	95		98		70-130	3		20
Bromoform	100		92		54-136	8		20
1,1,2,2-Tetrachloroethane	99		83		67-130	18		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		94		70-130	6		20
Chloromethane	90		99		64-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG996701-3 WG996701-4								
Bromomethane	100		110		39-139	10		20
Vinyl chloride	88		94		55-140	7		20
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	100		120		61-145	18		20
trans-1,2-Dichloroethene	100		120		70-130	18		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	96		110		63-130	14		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		95		70-130	10		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		120		36-147	18		20
Acetone	89		110		58-148	**21**	Q	20
Carbon disulfide	130		**150**	Q	51-130	14		20
2-Butanone	90		110		63-138	20		20
4-Methyl-2-pentanone	79		81		59-130	3		20
2-Hexanone	78		84		57-130	7		20
Bromochloromethane	120		130		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG996701-3 WG996701-4								
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	76		84		41-144	10		20
Isopropylbenzene	98		89		70-130	10		20
1,2,3-Trichlorobenzene	77		79		70-130	3		20
1,2,4-Trichlorobenzene	82		83		70-130	1		20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	90		95		70-130	5		20
1,4-Dioxane	90		98		56-162	9		20
Freon-113	94		120		70-130	**24**	Q	20
Methyl cyclohexane	96		100		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		94		70-130
Toluene-d8	99		93		70-130
4-Bromofluorobenzene	94		78		70-130
Dibromofluoromethane	105		120		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG996929-3 WG996929-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	98		97		63-132	1		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	89		89		70-130	0		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	96		96		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	98		98		70-130	0		20
Toluene	98		99		70-130	1		20
Ethylbenzene	97		97		70-130	0		20
Chloromethane	120		120		64-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG996929-3 WG996929-4								
Bromomethane	91		90		39-139	1		20
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	96		94		61-145	2		20
trans-1,2-Dichloroethene	98		97		70-130	1		20
Trichloroethene	97		98		70-130	1		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	96		98		70-130	2		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	120		120		63-130	0		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	98		98		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	86		84		36-147	2		20
Acetone	110		120		58-148	9		20
Carbon disulfide	90		90		51-130	0		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	120		120		59-130	0		20
2-Hexanone	**140**	Q	130		57-130	7		20
Bromochloromethane	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG996929-3 WG996929-4								
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	97		89		41-144	9		20
Isopropylbenzene	95		97		70-130	2		20
1,2,3-Trichlorobenzene	120		110		70-130	9		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	130		130		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	116		112		56-162	4		20
Freon-113	92		90		70-130	2		20
Methyl cyclohexane	90		88		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	121		121		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/24/17 13:29
Analyst: SZ

Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	92		41-149

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/21/17 09:47
Analyst: KL

Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.07	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	83		41-149

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/24/17 12:10
Analyst: SZ

Date Collected: 04/17/17 10:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/23/17 11:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Date Collected: 04/17/17 10:30
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	60		41-149

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/17 15:08
Analyst: KL

Date Collected: 04/17/17 10:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/23/17 11:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Date Collected: 04/17/17 10:30
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	80		41-149

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/24/17 13:56
Analyst: SZ

Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	83		41-149

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/21/17 10:43
Analyst: KL

Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.05	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	69		41-149

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/24/17 14:22
Analyst: SZ

Date Collected: 04/17/17 14:35
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Date Collected: 04/17/17 14:35
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	87		41-149

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/21/17 11:11
Analyst: KL

Date Collected: 04/17/17 14:35
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	0.04	J	ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	0.04	J	ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Date Collected: 04/17/17 14:35
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	78		41-149

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/23/17 16:49
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG995507-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/23/17 16:49
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG995507-1					
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/23/17 16:49
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG995507-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	92		41-149

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/21/17 08:22
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,03-04 Batch: WG995509-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/21/17 08:22
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 04/19/17 08:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,03-04 Batch: WG995509-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	83		41-149

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/17 14:19
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 04/23/17 11:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG996764-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/17 14:19
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 04/23/17 11:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG996764-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	82		41-149

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/24/17 09:33
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/22/17 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG996766-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/24/17 09:33
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/22/17 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG996766-1					
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/24/17 09:33
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/22/17 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG996766-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	65		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG995507-2 WG995507-3								
Bis(2-chloroethyl)ether	70		64		40-140	9		30
3,3'-Dichlorobenzidine	43		45		40-140	5		30
2,4-Dinitrotoluene	86		83		48-143	4		30
2,6-Dinitrotoluene	87		82		40-140	6		30
4-Chlorophenyl phenyl ether	78		75		40-140	4		30
4-Bromophenyl phenyl ether	85		78		40-140	9		30
Bis(2-chloroisopropyl)ether	62		58		40-140	7		30
Bis(2-chloroethoxy)methane	76		71		40-140	7		30
Hexachlorocyclopentadiene	66		62		40-140	6		30
Isophorone	75		70		40-140	7		30
Nitrobenzene	72		69		40-140	4		30
NDPA/DPA	74		71		40-140	4		30
n-Nitrosodi-n-propylamine	72		67		29-132	7		30
Bis(2-ethylhexyl)phthalate	78		73		40-140	7		30
Butyl benzyl phthalate	80		75		40-140	6		30
Di-n-butylphthalate	79		75		40-140	5		30
Di-n-octylphthalate	78		73		40-140	7		30
Diethyl phthalate	78		73		40-140	7		30
Dimethyl phthalate	83		79		40-140	5		30
Biphenyl	80		78		40-140	3		30
4-Chloroaniline	52		49		40-140	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG995507-2 WG995507-3								
2-Nitroaniline	95		91		52-143	4		30
3-Nitroaniline	74		66		25-145	11		30
4-Nitroaniline	83		78		51-143	6		30
Dibenzofuran	74		71		40-140	4		30
1,2,4,5-Tetrachlorobenzene	79		77		2-134	3		30
Acetophenone	78		73		39-129	7		30
2,4,6-Trichlorophenol	85		82		30-130	4		30
p-Chloro-m-cresol	79		75		23-97	5		30
2-Chlorophenol	73		65		27-123	12		30
2,4-Dichlorophenol	82		75		30-130	9		30
2,4-Dimethylphenol	**21**	Q	**25**	Q	30-130	17		30
2-Nitrophenol	87		82		30-130	6		30
4-Nitrophenol	53		50		10-80	6		30
2,4-Dinitrophenol	103		100		20-130	3		30
4,6-Dinitro-o-cresol	102		98		20-164	4		30
Phenol	36		34		12-110	6		30
3-Methylphenol/4-Methylphenol	64		59		30-130	8		30
2,4,5-Trichlorophenol	88		85		30-130	3		30
Carbazole	78		73		55-144	7		30
Atrazine	87		78		40-140	11		30
Benzaldehyde	66		59		40-140	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG995507-2 WG995507-3								
Caprolactam	26		24		10-130	8		30
2,3,4,6-Tetrachlorophenol	91		84		40-140	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		47		21-120
Phenol-d6	38		34		10-120
Nitrobenzene-d5	77		71		23-120
2-Fluorobiphenyl	78		75		15-120
2,4,6-Tribromophenol	92		89		10-120
4-Terphenyl-d14	84		78		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01,03-04 Batch: WG995509-2 WG995509-3								
Acenaphthene	59		68		37-111	14		40
2-Chloronaphthalene	61		72		40-140	17		40
Fluoranthene	60		70		40-140	15		40
Hexachlorobutadiene	57		65		40-140	13		40
Naphthalene	58		67		40-140	14		40
Benzo(a)anthracene	63		74		40-140	16		40
Benzo(a)pyrene	61		72		40-140	17		40
Benzo(b)fluoranthene	66		77		40-140	15		40
Benzo(k)fluoranthene	61		70		40-140	14		40
Chrysene	63		76		40-140	19		40
Acenaphthylene	61		73		40-140	18		40
Anthracene	64		74		40-140	14		40
Benzo(ghi)perylene	64		76		40-140	17		40
Fluorene	50		58		40-140	15		40
Phenanthrene	62		71		40-140	14		40
Dibenzo(a,h)anthracene	68		80		40-140	16		40
Indeno(1,2,3-cd)pyrene	68		80		40-140	16		40
Pyrene	60		69		26-127	14		40
2-Methylnaphthalene	62		72		40-140	15		40
Pentachlorophenol	68		81		9-103	17		40
Hexachlorobenzene	63		74		40-140	16		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01,03-04 Batch: WG995509-2 WG995509-3								
Hexachloroethane	52		56		40-140	7		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	45		50		21-120
Phenol-d6	35		39		10-120
Nitrobenzene-d5	71		79		23-120
2-Fluorobiphenyl	72		84		15-120
2,4,6-Tribromophenol	85		104		10-120
4-Terphenyl-d14	73		83		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG996764-2 WG996764-3								
Acenaphthene	63		70		37-111	11		40
2-Chloronaphthalene	63		70		40-140	11		40
Fluoranthene	68		74		40-140	8		40
Hexachlorobutadiene	56		63		40-140	12		40
Naphthalene	64		69		40-140	8		40
Benzo(a)anthracene	72		78		40-140	8		40
Benzo(a)pyrene	70		79		40-140	12		40
Benzo(b)fluoranthene	76		82		40-140	8		40
Benzo(k)fluoranthene	70		76		40-140	8		40
Chrysene	68		75		40-140	10		40
Acenaphthylene	70		77		40-140	10		40
Anthracene	65		72		40-140	10		40
Benzo(ghi)perylene	74		82		40-140	10		40
Fluorene	67		73		40-140	9		40
Phenanthrene	65		71		40-140	9		40
Dibenzo(a,h)anthracene	73		80		40-140	9		40
Indeno(1,2,3-cd)pyrene	77		84		40-140	9		40
Pyrene	66		72		26-127	9		40
2-Methylnaphthalene	66		72		40-140	9		40
Pentachlorophenol	69		74		9-103	7		40
Hexachlorobenzene	68		75		40-140	10		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG996764-2 WG996764-3								
Hexachloroethane	55		64		40-140	15		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		48		21-120
Phenol-d6	32		35		10-120
Nitrobenzene-d5	74		81		23-120
2-Fluorobiphenyl	67		73		15-120
2,4,6-Tribromophenol	81		89		10-120
4-Terphenyl-d14	69		73		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG996766-2 WG996766-3								
Bis(2-chloroethyl)ether	60		53		40-140	12		30
3,3'-Dichlorobenzidine	40		**34**	Q	40-140	16		30
2,4-Dinitrotoluene	74		59		48-143	23		30
2,6-Dinitrotoluene	74		62		40-140	18		30
4-Chlorophenyl phenyl ether	64		53		40-140	19		30
4-Bromophenyl phenyl ether	70		58		40-140	19		30
Bis(2-chloroisopropyl)ether	52		46		40-140	12		30
Bis(2-chloroethoxy)methane	64		55		40-140	15		30
Hexachlorocyclopentadiene	48		43		40-140	11		30
Isophorone	63		55		40-140	14		30
Nitrobenzene	64		56		40-140	13		30
NDPA/DPA	66		54		40-140	20		30
n-Nitrosodi-n-propylamine	60		53		29-132	12		30
Bis(2-ethylhexyl)phthalate	62		50		40-140	21		30
Butyl benzyl phthalate	68		54		40-140	23		30
Di-n-butylphthalate	65		53		40-140	20		30
Di-n-octylphthalate	64		52		40-140	21		30
Diethyl phthalate	65		53		40-140	20		30
Dimethyl phthalate	71		58		40-140	20		30
Biphenyl	64		55		40-140	15		30
4-Chloroaniline	45		42		40-140	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG996766-2 WG996766-3								
2-Nitroaniline	80		67		52-143	18		30
3-Nitroaniline	58		48		25-145	19		30
4-Nitroaniline	76		58		51-143	27		30
Dibenzofuran	62		52		40-140	18		30
1,2,4,5-Tetrachlorobenzene	62		54		2-134	14		30
Acetophenone	68		60		39-129	13		30
2,4,6-Trichlorophenol	75		65		30-130	14		30
p-Chloro-m-cresol	67		56		23-97	18		30
2-Chlorophenol	63		54		27-123	15		30
2,4-Dichlorophenol	70		61		30-130	14		30
2,4-Dimethylphenol	68		59		30-130	14		30
2-Nitrophenol	76		64		30-130	17		30
4-Nitrophenol	43		34		10-80	23		30
2,4-Dinitrophenol	87		75		20-130	15		30
4,6-Dinitro-o-cresol	91		72		20-164	23		30
Phenol	31		26		12-110	18		30
3-Methylphenol/4-Methylphenol	55		48		30-130	14		30
2,4,5-Trichlorophenol	75		64		30-130	16		30
Carbazole	66		**53**	Q	55-144	22		30
Atrazine	72		59		40-140	20		30
Benzaldehyde	59		53		40-140	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG996766-2 WG996766-3								
Caprolactam	22		18		10-130	20		30
2,3,4,6-Tetrachlorophenol	77		63		40-140	20		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		34		21-120
Phenol-d6	28		24		10-120
Nitrobenzene-d5	60		54		23-120
2-Fluorobiphenyl	57		51		15-120
2,4,6-Tribromophenol	70		61		10-120
4-Terphenyl-d14	61		52		41-149

PCBS

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/21/17 20:16
Analyst: JA

Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:35
Cleanup Method: EPA 3665A
Cleanup Date: 04/19/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/19/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/21/17 20:28
Analyst: JA

Date Collected: 04/17/17 10:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:35
Cleanup Method: EPA 3665A
Cleanup Date: 04/19/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/19/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/21/17 20:41
Analyst: JA

Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:35
Cleanup Method: EPA 3665A
Cleanup Date: 04/19/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/19/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/21/17 20:53
Analyst: JA

Date Collected: 04/17/17 14:35
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:35
Cleanup Method: EPA 3665A
Cleanup Date: 04/19/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/19/17

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/21/17 19:38
Analyst: JA

Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:35
Cleanup Method: EPA 3665A
Cleanup Date: 04/19/17
Cleanup Method: EPA 3660B
Cleanup Date: 04/19/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG995376-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	68		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG995376-2 WG995376-3									
Aroclor 1016	66		65		40-140	1		50	A
Aroclor 1260	48		50		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		65		30-150	A
Decachlorobiphenyl	50		51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		65		30-150	B
Decachlorobiphenyl	59		57		30-150	B

PESTICIDES

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/22/17 20:24
Analyst: EC

Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/24/17 18:51
Analyst: DM

Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/20/17 10:51

Methylation Date: 04/21/17 21:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	20.0	0.996	1	A
2,4,5-T	ND		ug/l	4.00	1.06	1	A
2,4,5-TP (Silvex)	ND		ug/l	4.00	1.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	77		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/22/17 20:37
Analyst: EC

Date Collected: 04/17/17 10:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/24/17 19:10
Analyst: DM

Date Collected: 04/17/17 10:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/20/17 10:51

Methylation Date: 04/21/17 21:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	20.0	0.996	1	A
2,4,5-T	ND		ug/l	4.00	1.06	1	A
2,4,5-TP (Silvex)	ND		ug/l	4.00	1.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	130		30-150	A
DCAA	91		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/22/17 20:49
Analyst: EC

Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/24/17 19:30
Analyst: DM

Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/20/17 10:51

Methylation Date: 04/21/17 21:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	20.0	0.996	1	A
2,4,5-T	ND		ug/l	4.00	1.06	1	A
2,4,5-TP (Silvex)	ND		ug/l	4.00	1.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	123		30-150	A
DCAA	87		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/22/17 21:02
Analyst: EC

Date Collected: 04/17/17 14:35
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: RITE-AID - BUFFALO
Lab Number: L1712051
Project Number: 055.002
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/24/17 19:49
Analyst: DM

Date Collected: 04/17/17 14:35
Date Received: 04/17/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/20/17 10:51

Methylation Date: 04/21/17 21:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	20.0	0.996	1	A
2,4,5-T	ND		ug/l	4.00	1.06	1	A
2,4,5-TP (Silvex)	ND		ug/l	4.00	1.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	67		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/22/17 19:46
Analyst: EC

Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG995375-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/22/17 19:46
Analyst: EC

Extraction Method: EPA 3510C
Extraction Date: 04/18/17 18:32

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG995375-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 04/20/17 15:53
Analyst: EC

Extraction Method: EPA 8151A
Extraction Date: 04/19/17 18:35

Methylation Date: 04/20/17 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG995757-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	67		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG995375-2 WG995375-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Delta-BHC	103		111		30-150	7		20	A
Lindane	88		98		30-150	11		20	A
Alpha-BHC	95		105		30-150	10		20	A
Beta-BHC	87		95		30-150	9		20	A
Heptachlor	68		74		30-150	9		20	A
Aldrin	67		74		30-150	9		20	A
Heptachlor epoxide	85		91		30-150	7		20	A
Endrin	85		90		30-150	6		20	A
Endrin aldehyde	66		69		30-150	4		20	A
Endrin ketone	75		83		30-150	10		20	A
Dieldrin	89		93		30-150	5		20	A
4,4'-DDE	85		90		30-150	6		20	A
4,4'-DDD	86		91		30-150	5		20	A
4,4'-DDT	77		83		30-150	8		20	A
Endosulfan I	109		**180**	Q	30-150	**49**	Q	20	A
Endosulfan II	81		84		30-150	4		20	A
Endosulfan sulfate	75		82		30-150	9		20	A
Methoxychlor	73		82		30-150	11		20	A
cis-Chlordane	79		82		30-150	3		20	A
trans-Chlordane	83		94		30-150	13		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG995375-2 WG995375-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		69		30-150	A
Decachlorobiphenyl	50		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		80		30-150	B
Decachlorobiphenyl	59		65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG995757-2 WG995757-3									
2,4-D	76		76		30-150	0		25	A
2,4,5-T	83		83		30-150	0		25	A
2,4,5-TP (Silvex)	80		81		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	71		72		30-150	A
DCAA	76		83		30-150	B

METALS

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Antimony, Total	0.00620		mg/l	0.00400	0.00042	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Copper, Total	0.00071	J	mg/l	0.00100	0.00038	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:00	04/19/17 22:17	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/19/17 12:30	04/21/17 14:18	EPA 3005A	1,6020A	AM

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Date Collected: 04/17/17 10:30
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.108		mg/l	0.0100	0.00327	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Antimony, Total	0.00186	J	mg/l	0.00400	0.00042	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00088		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Barium, Total	0.05086		mg/l	0.00050	0.00017	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Calcium, Total	210.		mg/l	0.100	0.0394	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Chromium, Total	0.00051	J	mg/l	0.00100	0.00017	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00334		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Copper, Total	0.00091	J	mg/l	0.00100	0.00038	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Iron, Total	0.223		mg/l	0.0500	0.0191	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Magnesium, Total	153.		mg/l	0.0700	0.0242	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Manganese, Total	0.1969		mg/l	0.00100	0.00044	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:00	04/19/17 22:19	EPA 7470A	1,7470A	EA
Nickel, Total	0.00459		mg/l	0.00200	0.00055	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Potassium, Total	8.66		mg/l	0.100	0.0309	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Sodium, Total	247.		mg/l	0.100	0.0293	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/19/17 12:30	04/21/17 14:22	EPA 3005A	1,6020A	AM

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0169		mg/l	0.0100	0.00327	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Antimony, Total	0.00080	J	mg/l	0.00400	0.00042	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00276		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Barium, Total	0.1700		mg/l	0.00050	0.00017	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Calcium, Total	142.		mg/l	0.100	0.0394	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Chromium, Total	0.00040	J	mg/l	0.00100	0.00017	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00821		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Copper, Total	0.00083	J	mg/l	0.00100	0.00038	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Iron, Total	0.560		mg/l	0.0500	0.0191	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Magnesium, Total	61.2		mg/l	0.0700	0.0242	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Manganese, Total	0.1107		mg/l	0.00100	0.00044	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:00	04/19/17 22:21	EPA 7470A	1,7470A	EA
Nickel, Total	0.00173	J	mg/l	0.00200	0.00055	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Potassium, Total	4.46		mg/l	0.100	0.0309	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Sodium, Total	35.9		mg/l	0.100	0.0293	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/19/17 12:30	04/21/17 14:25	EPA 3005A	1,6020A	AM

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water
Date Collected: 04/17/17 14:35
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.374		mg/l	0.0100	0.00327	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Antimony, Total	0.00049	J	mg/l	0.00400	0.00042	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00086		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Barium, Total	0.03766		mg/l	0.00050	0.00017	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Calcium, Total	295.		mg/l	0.100	0.0394	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Chromium, Total	0.00060	J	mg/l	0.00100	0.00017	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00137		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Copper, Total	0.00122		mg/l	0.00100	0.00038	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Iron, Total	0.733		mg/l	0.0500	0.0191	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Lead, Total	0.00108		mg/l	0.00100	0.00034	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Magnesium, Total	93.0		mg/l	0.0700	0.0242	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Manganese, Total	0.3319		mg/l	0.00100	0.00044	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:00	04/19/17 22:27	EPA 7470A	1,7470A	EA
Nickel, Total	0.00329		mg/l	0.00200	0.00055	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Potassium, Total	2.28		mg/l	0.100	0.0309	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Sodium, Total	57.5		mg/l	0.100	0.0293	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM
Zinc, Total	0.00759	J	mg/l	0.01000	0.00341	1	04/19/17 12:30	04/21/17 14:28	EPA 3005A	1,6020A	AM

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG995330-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/18/17 18:00	04/19/17 21:49	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG995609-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Antimony, Total	0.00063	J	mg/l	0.00400	0.00042	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/19/17 12:30	04/21/17 12:42	1,6020A	AM

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG995330-2								
Mercury, Total	95		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG995609-2					
Aluminum, Total	110	-	80-120	-	
Antimony, Total	97	-	80-120	-	
Arsenic, Total	98	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	99	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	106	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	107	-	80-120	-	
Lead, Total	107	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	103	-	80-120	-	
Nickel, Total	99	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	94	-	80-120	-	
Silver, Total	99	-	80-120	-	
Sodium, Total	111	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG995609-2					
Zinc, Total	96	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG995330-3 WG995330-4 QC Sample: L1711714-02 Client ID: MS Sample												
Mercury, Total	0.00088	0.005	0.00510	84		0.00573	97		75-125	12		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG995609-3 QC Sample: L1711932-01 Client ID: MS Sample										
Aluminum, Total	0.0192	2	1.96	97		-	-	75-125	-	20
Antimony, Total	0.00059J	0.5	0.4519	90		-	-	75-125	-	20
Arsenic, Total	0.00029J	0.12	0.1086	90		-	-	75-125	-	20
Barium, Total	0.01268	2	1.806	90		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04434	89		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.04678	92		-	-	75-125	-	20
Calcium, Total	27.2	10	57.5	**303**	Q	-	-	75-125	-	20
Chromium, Total	0.00020J	0.2	0.1784	89		-	-	75-125	-	20
Cobalt, Total	0.00183	0.5	0.4300	86		-	-	75-125	-	20
Copper, Total	0.00062J	0.25	0.2178	87		-	-	75-125	-	20
Iron, Total	0.112	1	1.13	102		-	-	75-125	-	20
Lead, Total	ND	0.51	0.4744	93		-	-	75-125	-	20
Magnesium, Total	6.51	10	21.6	**151**	Q	-	-	75-125	-	20
Manganese, Total	0.4582	0.5	1.278	**164**	Q	-	-	75-125	-	20
Nickel, Total	0.00239	0.5	0.4180	83		-	-	75-125	-	20
Potassium, Total	4.50	10	17.7	**132**	Q	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.115	96		-	-	75-125	-	20
Silver, Total	ND	0.05	0.04452	89		-	-	75-125	-	20
Sodium, Total	15.8	10	38.2	**224**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1080	90		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4525	90		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG995609-3 QC Sample: L1711932-01 Client ID: MS Sample									
Zinc, Total	0.00358J	0.5	0.4371	87	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG995609-4 QC Sample: L1711932-01 Client ID: DUP Sample						
Aluminum, Total	0.0192	0.0196	mg/l	2		20
Antimony, Total	0.00059J	0.00077J	mg/l	NC		20
Arsenic, Total	0.00029J	0.00030J	mg/l	NC		20
Barium, Total	0.01268	0.01285	mg/l	1		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	27.2	26.0	mg/l	5		20
Chromium, Total	0.00020J	0.00027J	mg/l	NC		20
Cobalt, Total	0.00183	0.00164	mg/l	11		20
Copper, Total	0.00062J	0.00080J	mg/l	NC		20
Iron, Total	0.112	0.103	mg/l	8		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	6.51	6.31	mg/l	3		20
Manganese, Total	0.4582	0.4526	mg/l	1		20
Nickel, Total	0.00239	0.00248	mg/l	4		20
Potassium, Total	4.50	4.38	mg/l	3		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	15.8	15.3	mg/l	3		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG995609-4 QC Sample: L1711932-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.00358J	0.00378J	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-01
Client ID: MW-3-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water

Date Collected: 04/17/17 08:00
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/20/17 18:24	04/24/17 12:56	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-02
Client ID: MW-7-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water

Date Collected: 04/17/17 10:30
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/20/17 18:24	04/24/17 13:00	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-03
Client ID: MW-5-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water

Date Collected: 04/17/17 12:30
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/20/17 18:24	04/24/17 13:00	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712051-04
Client ID: MW-4-041717
Sample Location: 350 NIAGARA ST., BUFFALO, NY
Matrix: Water

Date Collected: 04/17/17 14:35
Date Received: 04/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/20/17 18:24	04/24/17 13:01	1,9010C/9012B	DE

Project Name: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG996138-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/20/17 18:24	04/24/17 12:49	1,9010C/9012B	DE

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE-AID - BUFFALO

Project Number: 055.002

Lab Number: L1712051

Report Date: 04/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG996138-2 WG996138-3								
Cyanide, Total	101		99		85-115	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG996138-4 WG996138-5 QC Sample: L1712051-01 Client ID: MW-3-041717												
Cyanide, Total	ND	0.2	0.202	101		0.196	98		80-120	3		20

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1712051-01A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-01B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-01C	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-01D	Plastic 250ml HNO3 preserved	B	<2	3.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1712051-01E	Plastic 250ml NaOH preserved	B	>12	3.0	Y	Absent	TCN-9010(14)
L1712051-01F	Amber 500ml unpreserved	A	7	2.1	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1712051-01G	Amber 500ml unpreserved	A	7	2.1	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1712051-01H	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1712051-01I	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1712051-01J	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1712051-01K	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1712051-02A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-02B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-02C	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-02D	Plastic 250ml HNO3 preserved	B	<2	3.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1712051-02E	Plastic 250ml NaOH preserved	B	>12	3.0	Y	Absent	TCN-9010(14)
L1712051-02F	Amber 500ml unpreserved	A	7	2.1	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1712051-02G	Amber 500ml unpreserved	A	7	2.1	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1712051-02H	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1712051-02I	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1712051-02J	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1712051-02K	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1712051-03A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-03B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-03C	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-03D	Plastic 250ml HNO3 preserved	B	<2	3.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1712051-03E	Plastic 250ml NaOH preserved	B	>12	3.0	Y	Absent	TCN-9010(14)
L1712051-03F	Amber 500ml unpreserved	B	7	3.0	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1712051-03G	Amber 500ml unpreserved	B	7	3.0	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1712051-03H	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1712051-03I	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1712051-03J	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1712051-03K	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1712051-04A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-04B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-04C	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)
L1712051-04D	Plastic 250ml HNO3 preserved	B	<2	3.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: RITE-AID - BUFFALO
Project Number: 055.002

Lab Number: L1712051
Report Date: 04/25/17

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1712051-04E	Plastic 250ml NaOH preserved	B	>12	3.0	Y	Absent	TCN-9010(14)
L1712051-04F	Amber 500ml unpreserved	B	7	3.0	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1712051-04G	Amber 500ml unpreserved	B	7	3.0	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1712051-04H	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1712051-04I	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1712051-04J	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1712051-04K	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1712051-05A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	RITE-AID - BUFFALO	**Lab Number:**	L1712051
Project Number:	055.002	**Report Date:**	04/25/17

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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

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

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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	RITE-AID - BUFFALO	**Lab Number:**	L1712051
Project Number:	055.002	**Report Date:**	04/25/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

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.

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: RITE-AID - BUFFALO
Project Number: 055.002
Lab Number: L1712051
Report Date: 04/25/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/18/17

ALPHA Job #: L1712051

Client Information

Client: Leader Professional
Address: 271 Marsh Rd Site 2
Phone: 585-245-2413
Fax:
Email: Rvanschoonder@leaderlink.com

Project Information

Project Name: Rite Aid
Project Location: 350 Niagara St. Buffalo, NY
Project #: 055.002
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs + 10 TICs	SVOCs TCL	PCBs	TAL Metals & Cyanide	Pesticides				Total Bottle
12051-01	MW-3-041717	4-17-17	0800	GW	MK	X	X	X	X	X				11
-02	MW-7-041717		1030			X	X	X	X	X				11
-03	MW-5-041717		1230			X	X	X	X	X				11
-04	MW-4-041717		1435			X	X	X	X	X				11
-05	Trip Blank			DW		X								1

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Container Type	V	A	A	P	A				
Preservative	B	A	A	~~E~~	A				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	4-17-17 1545		4-17-17 1545
	4-17-17 1545		4/18/17 0120

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1916646
Client:	Leader Professional Services, Inc. 271 Marsh Road, Suite 2 Pittsford, NY 14534
ATTN:	Peter Von Schondorf
Phone:	(585) 248-2413
Project Name:	RITE AID
Project Number:	Not Specified
Report Date:	05/02/19

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

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

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

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1916646-01	MW-7	WATER	BUFFALO, NY	04/23/19 09:25	04/23/19
L1916646-02	MW-5	WATER	BUFFALO, NY	04/23/19 11:45	04/23/19
L1916646-03	MW-5 DUP	WATER	BUFFALO, NY	04/23/19 11:45	04/23/19
L1916646-04	FIELD BLANK	WATER	BUFFALO, NY	04/23/19 09:45	04/23/19
L1916646-05	MW-1	WATER	BUFFALO, NY	04/23/19 10:22	04/23/19
L1916646-06	MW-10	WATER	BUFFALO, NY	04/23/19 09:15	04/23/19
L1916646-07	MW-11	WATER	BUFFALO, NY	04/23/19 13:00	04/23/19
L1916646-08	MW-12	WATER	BUFFALO, NY	04/23/19 11:20	04/23/19
L1916646-11	TRIP BLANK	WATER	BUFFALO, NY	04/23/19 00:00	04/23/19

Project Name:	RITE AID	**Lab Number:**	L1916646
Project Number:	Not Specified	**Report Date:**	05/02/19

Case Narrative

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

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

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

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

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

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

Project Name:	RITE AID	**Lab Number:**	L1916646
Project Number:	Not Specified	**Report Date:**	05/02/19

Case Narrative (continued)

Report Submission

The results of samples "WELL PURGE WATER" and "D-1" will be issued under separate cover.

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

Perfluorinated Alkyl Acids by Isotope Dilution

WG1231254-1 and -5: The continuing calibration standard, associated with L1916646 and QC, had the response for Perfluorohexanesulfonic Acid-Branched (br-PFHxS), outside of acceptance criteria. The response for Perfluorohexanesulfonic Acid (PFHxS) was within acceptance criteria; therefore, no further action was taken.

WG1231254-5: The continuing calibration standard, associated with L1916646, had the response for N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) outside the acceptance criteria. This value represents less than 10% of all compounds, therefore the calibration was accepted.

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: 05/02/19

ORGANICS

VOLATILES

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-02 D
Client ID: MW-5
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/30/19 21:01
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	63		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	3.0	J	ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	2.7		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	7.0	J	ug/l	12	3.5	5
Trichloroethene	780		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-02 D
Client ID: MW-5
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	57		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	99		70-130

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-03 D
Client ID: MW-5 DUP
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/30/19 21:27
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	68		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	3.3	J	ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	2.5		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	8.0	J	ug/l	12	3.5	5
Trichloroethene	840		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-03 D
Client ID: MW-5 DUP
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	60		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-05
Client ID: MW-1
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 10:22
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/29/19 22:27
Analyst: NLK

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

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-05
Client ID: MW-1
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 10:22
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds						
Total TIC Compounds	2.22	J	ug/l			1
Indane	2.22	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	93		70-130

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-06
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 09:15
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/29/19 22:52
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.95		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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-06
Client ID: MW-10
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 09:15
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.28	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	94		70-130

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-07 D
Client ID: MW-11
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 13:00
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/30/19 21:52
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	620		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	13		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	5.0	J	ug/l	12	3.5	5
Trichloroethene	110		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-07 D
Client ID: MW-11
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 13:00
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	310		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-08 D
Client ID: MW-12
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 11:20
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/30/19 22:17
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	0.54	J	ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	13		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	3.3		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	78		ug/l	6.2	1.8	2.5
Trichloroethene	320		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-08 D
Client ID: MW-12
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 11:20
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	100		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-11
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 00:00
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/29/19 20:21
Analyst: NLK

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

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-11
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 00:00
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	99		70-130

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/19 19:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06,11 Batch: WG1231857-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/19 19:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06,11 Batch: WG1231857-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/19 19:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06,11 Batch: WG1231857-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	98		70-130

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/19 19:20
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,07-08 Batch: WG1232386-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/19 19:20
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,07-08 Batch: WG1232386-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/19 19:20
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,07-08 Batch: WG1232386-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06,11 Batch: WG1231857-3 WG1231857-4								
Methylene chloride	100		88		70-130	13		20
1,1-Dichloroethane	95		83		70-130	13		20
Chloroform	100		89		70-130	12		20
Carbon tetrachloride	120		97		63-132	**21**	Q	20
1,2-Dichloropropane	87		77		70-130	12		20
Dibromochloromethane	99		86		63-130	14		20
1,1,2-Trichloroethane	94		84		70-130	11		20
Tetrachloroethene	120		100		70-130	18		20
Chlorobenzene	100		90		75-130	11		20
Trichlorofluoromethane	100		87		62-150	14		20
1,2-Dichloroethane	100		84		70-130	17		20
1,1,1-Trichloroethane	110		94		67-130	16		20
Bromodichloromethane	100		90		67-130	11		20
trans-1,3-Dichloropropene	93		80		70-130	15		20
cis-1,3-Dichloropropene	94		81		70-130	15		20
Bromoform	110		96		54-136	14		20
1,1,2,2-Tetrachloroethane	84		75		67-130	11		20
Benzene	98		86		70-130	13		20
Toluene	100		90		70-130	11		20
Ethylbenzene	100		88		70-130	13		20
Chloromethane	74		66		64-130	11		20
Bromomethane	46		54		39-139	16		20
Vinyl chloride	76		67		55-140	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06,11 Batch: WG1231857-3 WG1231857-4								
Chloroethane	100		89		55-138	12		20
1,1-Dichloroethene	110		95		61-145	15		20
trans-1,2-Dichloroethene	110		98		70-130	12		20
Trichloroethene	100		90		70-130	11		20
1,2-Dichlorobenzene	110		94		70-130	16		20
1,3-Dichlorobenzene	110		95		70-130	15		20
1,4-Dichlorobenzene	100		94		70-130	6		20
Methyl tert butyl ether	98		86		63-130	13		20
p/m-Xylene	105		90		70-130	15		20
o-Xylene	100		90		70-130	11		20
cis-1,2-Dichloroethene	100		92		70-130	8		20
Styrene	100		90		70-130	11		20
Dichlorodifluoromethane	100		84		36-147	17		20
Acetone	88		71		58-148	**21**	Q	20
Carbon disulfide	110		95		51-130	15		20
2-Butanone	70		66		63-138	6		20
4-Methyl-2-pentanone	78		69		59-130	12		20
2-Hexanone	63		**56**	Q	57-130	12		20
Bromochloromethane	110		95		70-130	15		20
1,2-Dibromoethane	100		90		70-130	11		20
1,2-Dibromo-3-chloropropane	100		93		41-144	7		20
Isopropylbenzene	96		86		70-130	11		20
1,2,3-Trichlorobenzene	110		100		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06,11 Batch: WG1231857-3 WG1231857-4								
1,2,4-Trichlorobenzene	110		99		70-130	11		20
Methyl Acetate	74		**63**	Q	70-130	16		20
Cyclohexane	88		78		70-130	12		20
1,4-Dioxane	76		76		56-162	0		20
Freon-113	100		85		70-130	16		20
Methyl cyclohexane	93		81		70-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		94		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	88		88		70-130
Dibromofluoromethane	103		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,07-08 Batch: WG1232386-3 WG1232386-4								
Methylene chloride	90		91		70-130	1		20
1,1-Dichloroethane	95		96		70-130	1		20
Chloroform	95		97		70-130	2		20
Carbon tetrachloride	92		93		63-132	1		20
1,2-Dichloropropane	93		96		70-130	3		20
Dibromochloromethane	86		98		63-130	13		20
1,1,2-Trichloroethane	88		100		70-130	13		20
Tetrachloroethene	80		93		70-130	15		20
Chlorobenzene	91		95		75-130	4		20
Trichlorofluoromethane	93		87		62-150	7		20
1,2-Dichloroethane	96		96		70-130	0		20
1,1,1-Trichloroethane	92		91		67-130	1		20
Bromodichloromethane	89		92		67-130	3		20
trans-1,3-Dichloropropene	90		110		70-130	20		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
Bromoform	84		87		54-136	4		20
1,1,2,2-Tetrachloroethane	96		100		67-130	4		20
Benzene	92		93		70-130	1		20
Toluene	88		110		70-130	**22**	Q	20
Ethylbenzene	94		98		70-130	4		20
Chloromethane	91		86		64-130	6		20
Bromomethane	45		42		39-139	7		20
Vinyl chloride	96		88		55-140	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,07-08 Batch: WG1232386-3 WG1232386-4								
Chloroethane	92		88		55-138	4		20
1,1-Dichloroethene	82		85		61-145	4		20
trans-1,2-Dichloroethene	84		84		70-130	0		20
Trichloroethene	86		84		70-130	2		20
1,2-Dichlorobenzene	91		95		70-130	4		20
1,3-Dichlorobenzene	93		96		70-130	3		20
1,4-Dichlorobenzene	91		96		70-130	5		20
Methyl tert butyl ether	87		87		63-130	0		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		100		70-130	11		20
cis-1,2-Dichloroethene	87		88		70-130	1		20
Styrene	90		100		70-130	11		20
Dichlorodifluoromethane	90		84		36-147	7		20
Acetone	85		84		58-148	1		20
Carbon disulfide	86		82		51-130	5		20
2-Butanone	85		96		63-138	12		20
4-Methyl-2-pentanone	80		96		59-130	18		20
2-Hexanone	87		95		57-130	9		20
Bromochloromethane	87		86		70-130	1		20
1,2-Dibromoethane	90		100		70-130	11		20
1,2-Dibromo-3-chloropropane	76		94		41-144	**21**	Q	20
Isopropylbenzene	95		100		70-130	5		20
1,2,3-Trichlorobenzene	81		82		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,07-08 Batch: WG1232386-3 WG1232386-4								
1,2,4-Trichlorobenzene	82		85		70-130	4		20
Methyl Acetate	93		93		70-130	0		20
Cyclohexane	84		86		70-130	2		20
1,4-Dioxane	96		74		56-162	**26**	Q	20
Freon-113	81		84		70-130	4		20
Methyl cyclohexane	81		82		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	99		120		70-130
4-Bromofluorobenzene	105		108		70-130
Dibromofluoromethane	99		96		70-130

SEMIVOLATILES

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-01
Client ID: MW-7
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 09:25
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/26/19 10:06
Analyst: MA

Extraction Method: EPA 3510C
Extraction Date: 04/25/19 08:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	30		15-110

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-01
Client ID: MW-7
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 09:25
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/29/19 00:53
Analyst: PB

Extraction Method: EPA 537
Extraction Date: 04/26/19 07:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.50		ng/l	1.84	0.344	1
Perfluoropentanoic Acid (PFPeA)	1.35	J	ng/l	1.84	0.428	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.84	0.350	1
Perfluorohexanoic Acid (PFHxA)	1.02	J	ng/l	1.84	0.454	1
Perfluoroheptanoic Acid (PFHpA)	0.672	J	ng/l	1.84	0.343	1
Perfluorohexanesulfonic Acid (PFHxS)	0.572	J	ng/l	1.84	0.402	1
Perfluorooctanoic Acid (PFOA)	1.78	J	ng/l	1.84	0.424	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.598	J	ng/l	1.84	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.84	0.480	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.84	0.402	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.84	0.517	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.572	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	0.268	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.231	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.391	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.356	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.513	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.344	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.546	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.290	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.911	1
PFOA/PFOS, Total	1.78	J	ng/l	1.84	0.424	1

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-01
Client ID: MW-7
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 09:25
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	195		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	113		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		33-143

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-02
Client ID: MW-5
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/26/19 11:27
Analyst: MA

Extraction Method: EPA 3510C
Extraction Date: 04/25/19 08:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	25		15-110

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-02
Client ID: MW-5
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/29/19 01:43
Analyst: PB

Extraction Method: EPA 537
Extraction Date: 04/26/19 07:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.418	J	ng/l	1.90	0.355	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.90	0.441	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.90	0.361	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.90	0.468	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.90	0.354	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.90	0.414	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.90	0.437	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.90	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.90	0.494	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.90	0.414	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.90	0.532	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.90	0.589	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.90	0.276	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.90	0.238	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.90	0.403	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.90	0.367	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.90	0.528	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.90	0.354	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.90	0.563	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.90	0.298	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.90	0.939	1
PFOA/PFOS, Total	ND		ng/l	1.90	0.437	1

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-02
Client ID: MW-5
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	145		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	50		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	38		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		33-143

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-03
Client ID: MW-5 DUP
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/26/19 11:54
Analyst: MA

Extraction Method: EPA 3510C
Extraction Date: 04/25/19 08:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	26		15-110

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-03
Client ID: MW-5 DUP
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/29/19 02:00
Analyst: PB

Extraction Method: EPA 537
Extraction Date: 04/26/19 07:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.505	J	ng/l	1.83	0.342	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.83	0.425	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.83	0.348	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.83	0.450	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.83	0.341	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.83	0.399	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.83	0.421	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.83	0.178	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.83	0.476	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.83	0.399	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.83	0.513	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.83	0.568	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.83	0.266	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.83	0.229	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.83	0.388	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.83	0.353	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.83	0.509	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.83	0.341	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.83	0.542	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.83	0.288	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.83	0.905	1
PFOA/PFOS, Total	ND		ng/l	1.83	0.421	1

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-03
Client ID: MW-5 DUP
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 11:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	135		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	38		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		33-143

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-04
Client ID: FIELD BLANK
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 09:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/26/19 12:23
Analyst: MA

Extraction Method: EPA 3510C
Extraction Date: 04/25/19 08:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	28		15-110

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-04
Client ID: FIELD BLANK
Sample Location: BUFFALO, NY

Date Collected: 04/23/19 09:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/29/19 02:16
Analyst: PB

Extraction Method: EPA 537
Extraction Date: 04/26/19 07:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.81	0.338	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.81	0.420	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.81	0.344	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.81	0.446	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.81	0.337	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.81	0.395	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.81	0.417	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	0.176	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.471	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.395	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.81	0.507	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.562	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	0.263	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.227	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.384	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.350	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.504	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.338	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.536	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.284	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.895	1
PFOA/PFOS, Total	ND		ng/l	1.81	0.417	1

Project Name: RITE AID
Project Number: Not Specified
Lab Number: L1916646
Report Date: 05/02/19

SAMPLE RESULTS

Lab ID: L1916646-04
Client ID: FIELD BLANK
Sample Location: BUFFALO, NY
Date Collected: 04/23/19 09:45
Date Received: 04/23/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	112		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	68		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	60		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	56		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		33-143

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/25/19 09:47
Analyst: MA

Extraction Method: EPA 3510C
Extraction Date: 04/25/19 08:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-04 Batch: WG1230137-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 04/28/19 15:31
Analyst: PB

Extraction Method: EPA 537
Extraction Date: 04/26/19 07:17

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1230575-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.373
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.464
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.380
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.492
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.372
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.436
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.460
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	0.194
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.520
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.436
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.560
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.620
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	0.291
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.250
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.424
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.386
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.556
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.373
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.592
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.314
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.988
PFOA/PFOS, Total	ND		ng/l	2.00	0.460

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 04/28/19 15:31
Analyst: PB

Extraction Method: EPA 537
Extraction Date: 04/26/19 07:17

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1230575-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	122		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: Not Specified

Lab Number: L1916646

Report Date: 05/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-04		Batch: WG1230137-2 WG1230137-3					
1,4-Dioxane	100		116		40-140	15		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	43		34		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1230575-2 WG1230575-3								
Perfluorobutanoic Acid (PFBA)	109		117		67-148	7		30
Perfluoropentanoic Acid (PFPeA)	108		114		63-161	5		30
Perfluorobutanesulfonic Acid (PFBS)	102		108		65-157	6		30
Perfluorohexanoic Acid (PFHxA)	116		123		69-168	6		30
Perfluoroheptanoic Acid (PFHpA)	109		112		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	106		109		69-177	3		30
Perfluorooctanoic Acid (PFOA)	110		112		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	129		111		49-187	15		30
Perfluoroheptanesulfonic Acid (PFHpS)	117		122		61-179	4		30
Perfluorononanoic Acid (PFNA)	113		119		68-171	5		30
Perfluorooctanesulfonic Acid (PFOS)	103		104		52-151	1		30
Perfluorodecanoic Acid (PFDA)	114		119		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	121		133		56-173	9		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		127		60-166	28		30
Perfluoroundecanoic Acid (PFUnA)	103		103		60-153	0		30
Perfluorodecanesulfonic Acid (PFDS)	106		104		38-156	2		30
Perfluorooctanesulfonamide (FOSA)	107		103		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	100		89		45-170	12		30
Perfluorododecanoic Acid (PFDoA)	108		107		67-153	1		30
Perfluorotridecanoic Acid (PFTrDA)	106		108		48-158	2		30
Perfluorotetradecanoic Acid (PFTA)	117		126		59-182	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: Not Specified

Lab Number: L1916646

Report Date: 05/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1230575-2 WG1230575-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		103		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		108		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		107		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		103		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		107		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		100		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		105		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		98		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		93		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		83		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		72		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		103		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		48		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		87		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		91		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		94		33-143

Matrix Spike Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: Not Specified

Lab Number: L1916646

Report Date: 05/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-04		QC Batch ID: WG1230137-4			WG1230137-5		QC Sample: L1916646-01			Client ID: MW-7	
1,4-Dioxane	ND	4810	4920	102		5050	107		40-140	3		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	30		28		15-110

Matrix Spike Analysis
Batch Quality Control

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1230575-4 WG1230575-5 QC Sample: L1916646-01 Client ID: MW-7												
Perfluorobutanoic Acid (PFBA)	2.50	34.5	43.6	119		42.5	109		67-148	3		30
Perfluoropentanoic Acid (PFPeA)	1.35J	34.5	42.2	122		41.8	114		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	ND	34.5	42.4	123		42.8	116		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	1.02J	34.5	44.4	129		44.0	120		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	0.672J	34.5	40.2	117		40.1	109		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	0.572J	34.5	52.1	151		52.8	144		69-177	1		30
Perfluorooctanoic Acid (PFOA)	1.78J	34.5	41.8	121		40.6	110		63-159	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.598J	34.5	40.6	118		41.3	112		49-187	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	34.5	45.0	131		41.2	112		61-179	9		30
Perfluorononanoic Acid (PFNA)	ND	34.5	43.2	125		42.0	114		68-171	3		30
Perfluorooctanesulfonic Acid (PFOS)	ND	34.5	39.0	113		38.3	104		52-151	2		30
Perfluorodecanoic Acid (PFDA)	ND	34.5	41.5	120		42.6	116		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	34.5	36.7	106		42.2	115		56-173	14		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	34.5	36.3	105		35.0	95		60-166	4		30
Perfluoroundecanoic Acid (PFUnA)	ND	34.5	37.9	110		36.2	98		60-153	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	34.5	33.0	96		31.0	84		38-156	6		30
Perfluorooctanesulfonamide (FOSA)	ND	34.5	38.2	111		38.0	103		46-170	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	34.5	30.0	87		33.7	92		45-170	12		30
Perfluorododecanoic Acid (PFDoA)	ND	34.5	37.3	108		38.0	103		67-153	2		30
Perfluorotridecanoic Acid (PFTrDA)	ND	34.5	35.5	103		37.5	102		48-158	5		30
Perfluorotetradecanoic Acid (PFTA)	ND	34.5	39.8	115		43.3	118		59-182	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: RITE AID

Project Number: Not Specified

Lab Number: L1916646

Report Date: 05/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1230575-4 WG1230575-5 QC Sample: L1916646-01 Client ID: MW-7

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		97		7-170
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	185		183		1-244
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		58		23-146
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		59		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		89		40-144
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		89		38-144
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		78		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		86		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		82		47-153
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		71		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		77		33-143
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		96		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		96		16-173
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	46		41		1-87
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		95		42-146
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		97		36-149
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		92		34-146
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		95		31-159

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1916646-01A	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-01A1	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-01A2	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-01B	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-01B1	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-01B2	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-01C	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-01C1	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-01C2	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-01D	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-01D1	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-01D2	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-02A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-02B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-02C	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-02D	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-02E	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-02F	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-02G	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-03A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-03B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: RITE AID
Project Number: Not Specified

Lab Number: L1916646
Report Date: 05/02/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1916646-03C	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-03D	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-03E	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-03F	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-03G	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-04A	Plastic 250ml Trizma preserved	B	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L1916646-04C	Amber 250ml unpreserved	A	8	8	2.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-04D	Amber 250ml unpreserved	C	8	8	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1916646-05A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-05B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-05C	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-06A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-06B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-06C	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-07A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-07B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-07C	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-08A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-08B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-08C	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-11A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1916646-11B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	RITE AID	**Lab Number:**	L1916646
Project Number:	Not Specified	**Report Date:**	05/02/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	RITE AID	**Lab Number:**	L1916646
Project Number:	Not Specified	**Report Date:**	05/02/19

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.

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RITE AID	**Lab Number:**	L1916646
Project Number:	Not Specified	**Report Date:**	05/02/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

122 Determination of Selected Perfluorintated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

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

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 4/24/19

ALPHA Job #: L1916646

Client Information
Client: Leader Pro
Address: 271 Marsh Rd Suite 2 Pittsford, NY 14534
Phone: 585 248 2413
Fax:
Email: pvans chandorf@leaderlinkcom

Project Information
Project Name: Rite Aid
Project Location: Buffalo, NY
Project #
(Use Project name as Project #) ☐
Project Manager: Peter Van Schandorf
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☑ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☑ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ 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	1,4 Dioxane SIM	537	Target Comp + TICs						Sample Specific Comments	Total Bottle
16646 - 01	MW-7	4/23/19	0925	GW	ZJR	X	X								4
	MW-7 MS	4/23/19	0925	GW	ZJR	X	X								4
↓	MW-7 MSD	4/23/19	0925	GW	ZJR	X	X								4
02	MW-5	4/23/19	1145	GW	ZJR	X	X	X							7
03	MW-5 DUP	4/23/19	1145	GW	ZJR	X	X	X							7
04	Field Blank	4/23/19	0945	—	ZJR	X	X								3
05	MW-1	4/23/19	1022	GW	PV			X							3
06	MW-10	4/23/19	0915	GW	PV			X							3
07	MW-11	4/23/19	1300	GW	PV			X							3
08	MW-12	4/23/19	1120	GW	PV			X							3

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	V						
Preservative	A	O	B						

Relinquished By:	Date/Time	Received By:	Date/Time
	4-23-19 1335		4/23/19 1335
AAL	4/23/19 1400	AAL	4/24/19 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL LABORATORIES

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 4/24/19

ALPHA Job #: L1916646

Client Information

Client: Leader RTO
Address: 271 Marsh Rd Suite 2 Pittsford, NY 14534
Phone: 585 248 2413
Fax:
Email: RvonSchondorf@leaderlink.com

Project Information

Project Name: Rite Aid
Project Location: Buffalo, NY
Project #
(Use Project name as Project #) ☐
Project Manager: Peter VonSchondorf
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☑ ASP-A ~~☑ ASP-B~~ PVS
☐ EQuIS (1 File) ~~☑ EQuIS (4 File)~~ PVS
☐ Other

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL Volatiles	Full TCLP	Full Waste Characterization	Target Comp +OTGs	Total Bottle
	Well Purge Water	4/23/19	1250	WW	ZSR	X	X	X	X	4
	D-1	4/23/19	1325	Soil	PV	X	X	X	X	3
16646 - 11	Trip Blank	4/23/19	—	—	—				X	2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	✓				✓				
Preservative	B				B				

Relinquished By:	Date/Time	Received By:	Date/Time
	4-23-19 1335		4/23/19 1335
	4/23/19 1400		4/24/19 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX 3

DATA USABILITY SUMMARY REPORT

Data Usability Summary Report

The data reviewed included groundwater, soil and air data packages prepared by Alpha Laboratories in Westborough Massachusetts. In general, each sample with the exception air samples and surface soil samples, were analyzed for USEPA Target Compound List ("TCL") organic compounds, pesticides and herbicides and PCBs, cyanide, and USEPA Target Analyte List ("TAL") inorganic compounds ("laboratory parameters"). TCL volatile organic compounds ("VOCs") were also analyzed to identify the first 15 tentatively identified compounds ("TICs") with the highest chromatography/mass spectra peaks. TICs were also identified during the TCL semivolatile organic compound ("SVOCs") analysis. Surface soil samples were analyzed for all laboratory parameters with the exception of TCL VOCs". Sub-slab soil vapor samples, indoor air samples, and ambient air samples were analyzed for TCL VOCs, only.

Samples were collected with quality assurance and quality control ("QA/QC") samples including trip blank, field blanks, duplicates, matrix spike and matrix spike duplicate samples. Trip blank samples were analyzed for only TCL VOCs and submitted for analysis with each sample shipment submitted to Alpha, with the exception of air samples. The remaining QA/QC samples were analyzed for all laboratory parameters. These samples were submitted with every 20 samples submitted for analysis, with the exception of field blanks which were submitted for every sampling tool used.

Findings

Each laboratory package was divided into sections discussing or providing results or other information. The following sections reviewed and the findings found:

Chain of Custody

Chain of custody forms were submitted with each sample shipment. Forms were signed appropriately and were consistent with the analysis required by the project work plan.

Laboratory Reports

The laboratory reports each had a narrative describing the analysis conducted and issues found during the analysis. In general, none of the narratives identified a problem disqualifying the results.

Sample Cross-Reference

Each laboratory data package also included sample cross-reference list which identified the samples received, the matrix, identification numbers used, the sample date and time, and the date and time received.

Sample Receipt and Container Information

The sample receipt and container information, like the sample cross reference, provides the sample identification numbers, container used, chain of custody seals, preservative, pH, temperature, and analysis. None of the sample information identified a potential problem. The report did identify that none of the coolers had a chain of custody seal. For this project Leader identified that Alpha also provided courier services where Alpha opened each cooler to check the packing, ice level, and to determine if the chain of custody was consistent with the samples presented. Because of this, chain of custody seals were not used on the sample coolers.

Trip and Equipment Blank Samples
The appropriate number of blank samples were submitted for analysis.

Laboratory Findings

The following is a synopsis of the data usability summary report.

Samples from laboratory pack 1710105

- With the exception of Mercury, the analysis of TAL metals (samples 01 to 06 and also known as TP-1 to TP-6) and cyanide (samples TP-1, TP-2, and TP-3) required dilution because of matrix interference raising the detection levels. None of these compounds were found at concentrations below the detection limit.
- LCS and LCSD recoveries for this laboratory package were found lower than the acceptable range criteria for 3,3-Dichlorobenzidine and 4-Chloroaniline (samples TP-1 to TP-6. None of these compounds were found during the analysis, but 3,3-Dichlorobenzidine and 4-Chloroaniline (samples TP-1 to TP-6) are rejected because the below detection level result may be because of the biased low LCS and LCSD results. These compounds do not have soil cleanup objectives.

Samples from laboratory pack 1709552

- With the exception of Mercury, the analysis of TAL metals (samples SB-10 to SB-14) required dilution because of matrix interference raising the detection levels.
- The following metals have potentially high biased results in samples SB-10 to SB-14 because of high matrix and matrix spike duplicate recoveries: Aluminum, Calcium, Iron, Magnesium, Manganese, Mercury, and Thallium. Thallium also had an unacceptable post-digestion spike recovery. Mercury matrix and matrix spike recoveries were high, outside the criteria, but the post digestion spike was performed and within range. This is attributed to the sample matrix and the high natural element concentrations, with the exception, of Thallium. Thallium is rejected because analysis could not meet acceptable limits.
- In samples SB-10 (6 to 8 feet) and SB-14 (4 to 6 feet), cyanide has a raised detection limit due to the sample matrix. The raised detection limit used for these samples was lower the applicable soil cleanup objectives.

- MS and MSD sample recoveries for 1,2,3- and 1,2,4-Trichlorobenzene were lower than the accepted recovery criteria. The results possibly indicate a low bias to the sample result. MS sample recovery for 1,4-Dichloroebenzene was found to be lower than the acceptable range. The MSD recovery for 1,4-Dichloroebenzene was found to be within range. 1,2,3- and 1,2,4-Trichlorobenzene are rejected for this sample package.

- The MS and MSD recoveries were found to be out of range for the following metals: Antimony, Calcium, and Sodium. Calcium and Sodium were found a concentrations greater than the spike added.

- Method blank analyses found Antimony and Copper in the sample analysis. These should be qualified with a “B” qualifier. The concentrations for these metals were below the reporting limit of the laboratory.

- The equipment blank sample associated with these samples found the following metals: Aluminum, Antimony, Calcium, and Manganese at concentrations below the reporting limit of the laboratory. Sodium was found at a concentration of slightly above the reporting limit. Given the concentration of metals in the samples and the finding of some of these metals in the method blank these compounds should be qualified as laboratory contaminant.

- 1,2,3-Trichlorobenzene, Bromomethane, Chloroethane, and Dichlorodifluoromethane, and had LCS and LCSD higher recoveries than the acceptable range. None of the compounds were found in the samples.

Samples from laboratory pack 1712051

- The following parameters have a potentially low biased because of the LCSD recovery was below the acceptable range criteria: Acetone, 3,3-Dichlorobenzidine, and 2,4-Dimethylphenol. Acetone, 3,3-Dichlorobenzidine, and 2,4-Dimethylphenol are rejected because the results for these compounds was below the reporting limit of the laboratory and the low biased LCSD may impact that value.
- The following parameters have a potentially high result bias because of high LCSD or MS recovery results: Calcium, Carbon Disulfide, Freon 113, Endosulfan I, Magnesium, Potassium and Sodium.
- Antimony was found in the method blank at a concentration lower than the reporting limit.

Samples from laboratory pack 170602

- With the exception of Mercury, the analysis of TAL metals (samples Surface 1 to 6) required dilution because of matrix interference raising the detection levels. All of the detection levels used were below the applicable soil cleanup criteria.
- Cyanide LCS recovery and the RPD was found above acceptance criteria in surface samples Surface 1 to 6 and could potentially result in a biased high result. The detection level resulting from this analysis is lower than the applicable soil cleanup objective indicating the data is usable.

Samples from laboratory pack 1709276

- Samples 02 and 04 (samples SS-1 and SS-2) required dilution and reanalysis due to elevated concentrations of non-targeted compounds. The dilution caused raised detection levels for these analyses. The resulting raised detection levels are lower than the guidance levels. This does not impact the data usability.

Samples from laboratory pack 1711713

- The MS and MSD sample results for 3,3' Dichlorobenzidine fell below the detection limits and MS and MSD recoveries for 4-chloroaniline were below the acceptable range criteria. These compounds were not found in the sample results and the detection limits were not elevated. 3,3-Dichlorobenzidine and 4-chloroanline results are rejected because there is a bias which may lower the result's concentration.
- Carbon Disulfide in the LCS was recovered at a higher concentration than the acceptable range. LCSD was within the acceptable range. Chloromethane, the LCS and LCSD was recovered at higher concentration than the acceptable range. 1,2,3 and 1,2,4-Trichlorobenzene, the LCS and LCSD recoveries were lower than the acceptable range disqualifying those results in this laboratory package.
- Magnesium and sodium were found at concentrations in the samples four times, or more, than the amount of the spiked amount causing MS and MSD recoveries to be outside of acceptable limits. Calcium was found at a in the MS/MSD sample at a concentration greater than four times the amount of the spike, but only the MSD recovery was found to be lower than the acceptable range criteria.

Conclusions

A small number of samples were rejected because of the individual samples or QA/QC samples did not meet laboratory practices. The following samples were rejected:

Samples from laboratory pack 1710105

- 3,3-Dichlorobenzidine and 4-Chloroaniline (samples TP-1 to TP-6) are rejected because the below detection level result may be because of the biased low LCS and LCSD results. These compounds do not have soil cleanup objectives.

Samples from laboratory pack 1709552

- With the exception of Mercury, the analysis of TAL metals (samples SB-10 to SB-14) required dilution because of matrix interference raising the detection levels.
- The following Thallium may have potentially high biased results in samples SB-10 to SB-14 because of high MS and MSD recoveries. Thallium also had an unacceptable post-digestion spike recovery. Thallium is rejected because analysis could not meet acceptable limits.

- MS and MSD sample recoveries for 1,2,3- and 1,2,4-Trichlorobenzene were lower than the accepted recovery criteria. The results possibly indicate a low bias to the sample result. 1,2,3- and 1,2,4-Trichlorobenzene are rejected for this sample package.

- Method blank analyses found Antimony and Copper in the sample analysis. These should be qualified with a “B” qualifier. The concentrations for these metals were below the reporting limit of the laboratory.

- Sodium was found in the method blank and should be qualified as laboratory contaminant.

Samples from laboratory pack 1712051

- Acetone, 3,3-Dichlorobenzidine, and 2,4-Dimethylphenol are rejected because the results for these compounds were below the reporting limit of the laboratory and the low biased LCSD may impact that value.
- Antimony was found in the method blank at a concentration lower than the reporting limit, but should be identified in the laboratory package as a laboratory contaminant.

Samples from laboratory pack 170602

- No action required.

Samples from laboratory pack 1709276

- No action required.

Samples from laboratory pack 1711713

- 3,3-Dichlorobenzidine and 4-chloroanline results are rejected because there is a bias which may lower the result’s concentration.
- 1,2,3 and 1,2,4-Trichlorobenzene, the LCS and LCSD recoveries were lower than the acceptable range disqualifying those results in this laboratory package.
- Calcium was found at a in the MS/MSD sample at a concentration greater than four times the amount of the spike, but only the MSD recovery was found to be lower than the acceptable range criteria.

Data Usability Summary Report
May 2019
Rite Aid Property
Buffalo, New York
MEHC Project No. 14-223

DATA USABILITY

The Quality Assurance Project Plan ("QAPP") was prepared for this project by Leader Professional Services, Inc. ("LPS"). The QAPP presents the policies, organization, objectives, functional activities, and specific Quality Assurance ("QA") and Quality Control ("QC") measures designed to achieve the data quality goals associated with this investigation. The QAPP identifies procedures for sample preparation and handling, sample chain-of-custody, laboratory analyses, and reporting that were implemented during this investigation to ensure the accuracy and integrity of the data generated during the investigation.

LPS conducted the sampling event as part of the Remedial Investigation activities at the Rite Aid Property ("Site"), located in Buffalo, New York.

DATA SUMMARY

The Data Usability Review and Data Validation Compliance Chart has been completed for the laboratory deliverable packages generated by Alpha Analytical ("Alpha"), pertaining to groundwater samples collected on the Site on April 23, 2019. A total of six (6) monitoring well samples were collected during the April 2019 sampling event as part of 6 NYCRR Part 375, Environmental Remediation Programs. The following USEPA Methodologies were used to analyze these samples for the following analytes:

Volatile Organic Compounds ("VOCs")	USEPA Method 8260
PFAAs	USEPA Method 537

Trip blank, field duplicate, surrogates, internal standards, reference samples, field (equipment) blank, matrix spikes, and matrix spike duplicates were included and processed.

Samples were collected and received on the following schedule:

Sample Data Group ("SDG")	Date Collected	Date Received by Alpha	Sample Matrix	Requested Analyses	Sample Temperature (°C)
L1916646	04/23/2019	04/23/2019	Water (6 Samples)	VOCs 8260 PFAAs	Coolers: A – 2.3°C B – 3.5°C C – 3.2°C

Data usability and validation was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Inorganic and Organic Data Review. The following items were reviewed:

- Data Completeness;
- Custody Documentation;
- Holding Times;
- Sample Blanks Review;
- Field Duplicate Samples;
- Matrix Spike Samples and Duplicates; and
- Control Spike/Laboratory Control Samples.

Those items showing deficiencies, if any, are discussed in the attached Data Validation Compliance Chart. All others were found to be acceptable as outlined in the above-mentioned usability procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the reported data, and generated in compliance with protocol requirements.

In summary, sample preservation, handling, and processing was conducted with compliance to protocol requirements and with adherence to quality criteria and the reported results are considered "usable".

The Data Validation Compliance Chart is also included with this report.

Custody Documentation

Chain of Custody ("COC") forms are used to document the history of sample possession from the time the sample containers leave their point of origin (usually the laboratory performing the analyses) to the time the samples are received by the laboratory. COCs are considered legal documents.

The laboratory report, L1916646], associated with six (6) water samples collected on April 23, 2019. Water samples were collected from Monitoring Wells ("MW") Nos. 1, 5, 7, 10, 11, and 12.

MW No. 5 was collected in duplicate and MW-7 was collected for Matrix Spike and Matrix Spike Duplicate.

The Chain of Custody accurately documents the sample collection efforts.

Accuracy, Precision, and Sensitivity of Analyses

The fundamental QA objective with respect to the accuracy, precision, and sensitivity of analytical data is to achieve the QC acceptance of each analytical protocol. Accuracy and precision are determined using matrix spike ("MS") and matrix spike duplicate ("MSD") samples.

Accuracy is a measure of the difference of a set of analytical results to the accepted or expected values. Accuracy was assessed by using the MS/MSD and surrogate spike recovery data.

Recovery values were reported within the QC limits for each analytical parameter group.

Precision is a measure of the mutual agreement between measurements of the same parameter.

The sample results for the Site are considered "usable".

Completeness, Representativeness, and Comparability of Data

Completeness is the measure of the amount of valid data obtained from a measurement system compared with the amount expected to be obtained under normal conditions. Review of the analytical data packages provided by Alpha indicates that the requested parameters were analyzed for and reported by the laboratory for each sample submitted under proper chain-of-custody procedures. Based upon MEHC's review of the laboratory data, a usable data level was achieved.

Representativeness of the data is obtained through the design of the sampling program and the adherence to established sample collection procedures, sample-handling SOPs, and analytical procedures. The sampling program outlined in the Work Plan was designed to provide for data representative of site conditions taking into consideration past disposal practices, existing data from past studies, and the physical site setting. Collection of the groundwater samples were conducted in accordance with established industry and regulatory protocols.

The laboratory maintained all holding times for the specific analytical protocols.

Comparability of the data is derived from the evaluation of field duplicate samples and the adherence to established sampling and analytical procedures. A field duplicate is an independent sample collected as close as possible to the original location from the same sampling point. All of the groundwater samples were analyzed utilizing standardized USEPA methodologies performed in accordance with the latest version of the NYSDEC ASP protocols.

Quality Control Checks

Trip Blanks

A trip blank is provided with each shipping container of samples to be analyzed for volatile organic compounds (VOCs). Analysis of trip blanks determines whether a sample bottle was contaminated during shipment from the manufacturer, while in bottle storage, in shipment to the laboratory, or during analysis at a laboratory. Trip blanks consist of an aliquot of distilled water sealed in a sample bottle, prepared by the analytical laboratory prior to providing the sample bottles to the Alpha Courier.

A Trip blank was included with the shipment of the groundwater samples. VOCs were NOT detected in the Trip Blank analyzed during this investigation.

Field (Equipment) Blanks

Dedicated sampling equipment was utilized for the collection of each MW sample. A field (equipment) blank was collected on April 23, 2019 as part of this project.

VOCs were NOT detected in the Field Blank analyzed during this investigation.

Method Blanks

A method blank is a sample of reagent water, which is carried through the analytical procedure alongside the project samples to determine the level of laboratory background and reagent contamination.

For this investigation, a method blank was analyzed alongside the water samples collected on April 23, 2019. VOCs were NOT detected in the method blank analyzed during this investigation.

Matrix Spike/Matrix Spike Duplicate Samples

For the Site, one (1) MS/MSD was collected and analyzed for the groundwater samples. The following sample results are considered acceptable but noted outside of the control limits:

The MS/MSD RPD for 1,4-Dioxane (23%) is above the acceptance criteria.

The MS/MSD RPD for 1,2-Dibromo-3-chloropropane (21%) is above the acceptance criteria.

The groundwater samples did not contain either of the compounds

These results are detailed in the Data Validation Compliance Chart.

Surrogate Analyses

Surrogates are compounds added directly to every standard, blank, MS/MSD, and sample at a known concentration, prior to extraction or analysis; and used to evaluate the analytical efficiency by measuring percent recovery of those compounds upon analysis.

The laboratory reported surrogate recoveries were within established QC limits for the SDG.

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical methods. Accuracy was acceptable as demonstrated by the surrogate, laboratory control sample/laboratory control samples (LCS), and MS/MSD, % Recovery values, with the exceptions noted in the above narrative.

The sample results for the Site, as qualified, are considered acceptable for use.

Data Validation Compliance Chart
Rite Aid Site
Buffalo, New York

April 23, 2019 Sampling Event

Sample Data Group (SDG)	**L1916646**	
Matrix	**Ground Water**	
Analysis	**VOCs 8260**	**PFAAs**
Holding Times	Samples were extracted and analyzed within USEPA holding times	
Calibration	In the initial calibrations, all criteria were within method requirements.	WG1231254-1 and -5 (Laboratory Blanks, laboratory control sample, and matrix spike and matrix spike duplicate): The continuing calibration standard, associated with L1916646 and QC, had the response for Perfluorohexanesulfonic Acid-Branched (br-PFHxS), outside of acceptance criteria. The response for Perfluorohexanesulfonic Acid (PFHxS) was within acceptance criteria; therefore, no further action was taken. WG1231254-5: The continuing calibration standard, associated with L1916646, had the response for N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) outside the acceptance criteria. This value represents less than 10% of all compounds, therefore the calibration was accepted. All other data quality objectives were satisfied.
Method Blanks	All data quality objectives were satisfied.	
Detection Limits	No issues identified.	
Matrix Spike/Matrix Spike Duplicate	All data quality objectives were satisfied.	The MS/MSD RPD for 1,4-Dioxane (23%) is above the acceptance criteria. The MS/MSD RPD for 1,2-Dibromo-3-chloropropane (21%) is above the acceptance criteria. All data quality objectives were satisfied.

Data Validation Compliance Chart
Rite Aid Site
Buffalo, New York

April 23, 2019 Sampling Event

Sample Data Group (SDG)	**L1916646**	
Matrix	**Ground Water**	
Analysis	**VOCs 8260**	**PFAAs**
Surrogates	All data quality objectives were satisfied.	
Internal Standards	All data quality objectives were satisfied.	
Reference Sample	All laboratory internal quality control samples were within acceptable ranges.	
Data Usability	Data is acceptable for use.	

APPENDIX 4

INVESTIGATION LOGS

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

LOG OF BORING

BORING #: SB-10/MW-6
Page 1 of 1
Permit #:
Job #: 855.001

Project: Rite Aid-Buffalo
Location: 350 NiagaraStreet, Buffalo, NY
Date Drilled: 3/27/17
Drilling Co.: Nature's Way
Total Depth: 20'
Method Used: HS Auger
Inspector: Matt Knight
Organic Vapor Inst: MiniRAE 3000
Water elv: 14'

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	3-3-6-6	0-2	0.83	0.3	FILL: Gray and black Gravel and sand FIll	FILL	
4	2	50+	2-4	No Recovery	No Recovery	No Recovery	No Recovery	
6	3	33-16-7-16	4-6	0.83	3.2	CLAY: Brown, Dry, Very stiff, Clay, No plasticity	CL	
8	4	9-14-23-22	6-8	2.0	20.4	CLAY: Brown, Damp, Very stiff, CLAY, Low to medium plasticity		
10	5	4-9-9-16	8-10	1.5	4.6			
12	6	6-8-17-17	10-12	2.0	6.7			
14	7	12-15-16-20	12-14	2.0	3.1	SILT: Brown, Moist, Dense, SILT	ML	
16	8	12-14-15-19	14-16	2.0	2.4	SILT: Brown, Wet, Dense, SILT		
18	9	12-18-13-12	16-18	2.0	1.8			
20	10	12-13-14-16	18-20	2.0	1.4	SILT: Gray, Saturated, Dense, SILT		
						Boring terminated at 20' GW encountered at 14'		

LEADER PROFESSIONAL SERVICES

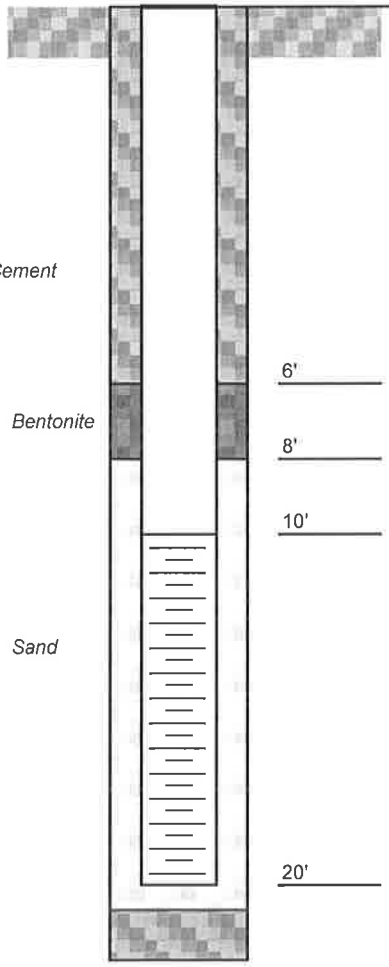
Environmental Engineers & Scientists

WELL CONSTRUCTION SUMMARY

Project: Rite Aid-Buffalo Location: 350 Niagra St, Buffalo, NY Well No.: MW-6
Permit No.:

TOC elev.: -

TOC elev.:



DRILLING SUMMARY

Drilling Company: Nature's Way Drillers:
Drill Rig/Model: CME 55
Borehole Diameters: 8.25 Drilling Fluid: None
Bits/Depths: Auger to 20'
Total Depth: 20' Depth To Water: 14'
Supervisor Geologist: M. Knight

WELL DESIGN

Casing Material:	PVC	Diameter:	2"
Screen Size:	10'	Diameter:	2"
Slot Size:	0.01 "	Setting:	10-20'
Backfill		Setting:	
Filter Material:	Sand	Setting:	8-20'
Seals Material:	Bentonite	Setting:	6-8'
Sand Cap		Setting:	
Grout:	Grount-Bentonite	Setting:	0-6'
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	3/27/2017	3/27/2017
Installation:	3/27/2017	3/27/2017
Development:	3/29/2017	3/29/2017

WELL DEVELOPMENT

Method: Bailer
Static Depth to Water: 14'
Pumping Depth To Water: N/A
Pumping Rate: Spec. Capacity:
Volume Pumped: 12 gal.

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

BORING #: SB-11
Page 1 of 1
Permit #:
Job #: 855.001

LOG OF BORING

Project: Rite Aid-Buffalo
Location: 350 NiagaraStreet, Buffalo, NY
Date Drilled: 3/27/17
Drilling Co.: Nature's Way
Total Depth: 14'
Method Used: HS Auger
Inspector: Matt Knight
Organic Vapor Inst: MiniRAE 3000
Water elv: 8'

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	13-9-4	0-2	0.67	0.0	Asphalt FILL: Gravel and Sand Mixture	FILL	
4	2	3-3-4-4	2-4	2.0	0.1	SILTY CLAY: Brown, Moist, SILTY CLAY, Low plasticity	CL	
6	3	3-5-5-6	4-6	1.5	0.4	CLAY: Brown, Moist, Soft, CLAY, Low to Moderate plasticity		
8	4	1-3-3-3	6-8	2.0	2.1	SILT: Browm, Moist, Loose, SILT, Trace clay	ML	
10	5	1-4-8-10	8-10	2.0	2.3	SILT: Brown, Saturated, Loose, SILT		
12	6	7-13-14-9	10-12	1.5	1.1			
14	7	3-8-13-13	12-14	2.0	0.4	CLAY: Bown, Saturated, Stiff, CLAY, Low plasticity	CL	
						Broing terminated at 14' GW encountred at 8'		

LEADER PROFESSIONAL SERVICES

Environmental Engineers & Scientists

BORING #: SB-12/MW-7
Page 1 of 1

LOG OF BORING

Project: Rite Aid-Buffalo
Location: 350 NiagaraStreet, Buffalo, NY
Permit #:
Date Drilled: 3/27/17
Drilling Co.: Nature's Way
Job #: 855.001
Total Depth: 14'
Method Used: HS Auger
Inspector: Matt Knight
Organic Vapor Inst: MiniRAE 3000
Water elv: 11'

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	8-3-3	0-2	0.5	0.0	Ashphalt FILL:Fravel and Sand	FILL	
4	2	4-6-9-10	2-4	1.0	0.0	CLAY: Brown, Moist, Soft, CLAY, Low plasticity	CL	
6	3	4-10-18-26	4-6	2.0	0.3			
8	4	7-13-24-26	6-8	2.0	1.4			
10	5	5-10-14-17	8-10	2.0	0.8			
12	6	3-5-7-10	10-12	2.0	0.7	CLAY: Brown, Wet, Stiff, CLAY, Low plasticity		
14	7	1-5-6-8	12-14	2.0	1.2	SILT: Brown, Wet, Loose, SILT	ML	
16	8	2-4-8-10	14-16	2.0	4.6	CLAYEY SILT: Brown, Saturated, Loose, CLAYEY SILT		
						Boring terminated at 16'. GW encountered at 11'.		

LEADER PROFESSIONAL SERVICES

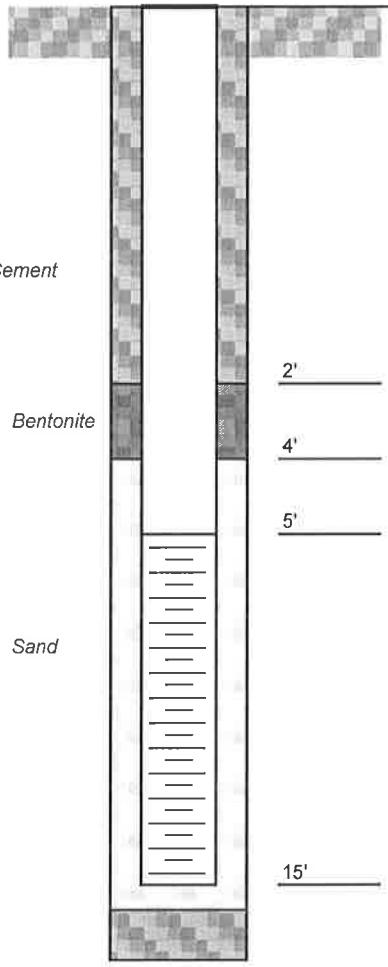
Environmental Engineers & Scientists

WELL CONSTRUCTION SUMMARY

Project: Rite Aid-Buffalo Location: 350 Niagra St, Buffalo, NY Well No.: MW-7
Permit No.:

TOC elev.: -

TOC elev.:



DRILLING SUMMARY

Drilling Company: Nature's Way Drillers:
Drill Rig/Model: CME-55
Borehole Diameters: 4.25 Drilling Fluid:
Bits/Depths: 16' with auguers
Total Depth: 15' Depth To Water: 11'
Supervisor Geologist: M. Knight

WELL DESIGN

Casing Material:	PVC	Diameter:	2"
Screen Size:	10'	Diameter:	2"
Slot Size:	0.01"	Setting:	5-15'
Backfill		Setting:	
Filter Material:	Sand	Setting:	4-15'
Seals Material:	Bentonite	Setting:	2-4'
Sand Cap		Setting:	
Grout:	Grount-Bentonite	Setting:	0-2'
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	3/27/2017	3/27/2017
Installation:	3/28/2017	3/28/2017
Development:	3/29/2017	3/29/2017

WELL DEVELOPMENT

Method: Bailer
Static Depth to Water: 6.1
Pumping Depth To Water: N/A
Pumping Rate: Spec. Capacity:
Volume Pumped: 13

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LOG OF BORING

BORING #: SB-13/MW-8
Page 1 of 1
Permit #:
Job #: 855.001

Project: Rite Aid-Buffalo
Location: 350 NiagaraStreet, Buffalo, NY
Date Drilled: 3/28/17
Drilling Co.: Nature's Way
Total Depth: 16'
Method Used: HS Auger
Inspector: Matt Knight
Organic Vapor Inst: MiniRAE 3000
Water elv: 11.5'

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
						Asphalt	Asphalt	
						FILL: Sand and Gravel	FILL	
2	1	8-5-8	0-2	0.6	0.2	CLAY: Brown, Moist, CLAY, Low plasticity		
4	2	3-4-5-6	2-4	2.0	0.1	CLAY: Brown, Moist, CLAY, Low plasticity	CL	
6	3	2-1-2-2	4-6	2.0	0.1	SILT: Light brown, Wet, Loose, SILT	ML	
8	4	4-10-22-14	6-8	2.0	0.0	SILT: Tan, Moist, Dense, SILT		
10	5	3-10-11-13	8-10	2.0	0.0	CLAY: Brown, Moist, Stiff, CLAY, Low-medium plasticity	CL	
12	6	2-5-8-18	10-12	2.0	0.3	SILT: Tan, Saturated, Dense, SILT	ML	
14	7	4-12-13-10	12-14	1.33	0.2	SILT: Brown, Saturated, Stiff, Wet, SILT		
16	8	2-5-8-10	14-16	2.0	0.1			
						Boring terminated at 16'		
						GW encountered at 11.5'		

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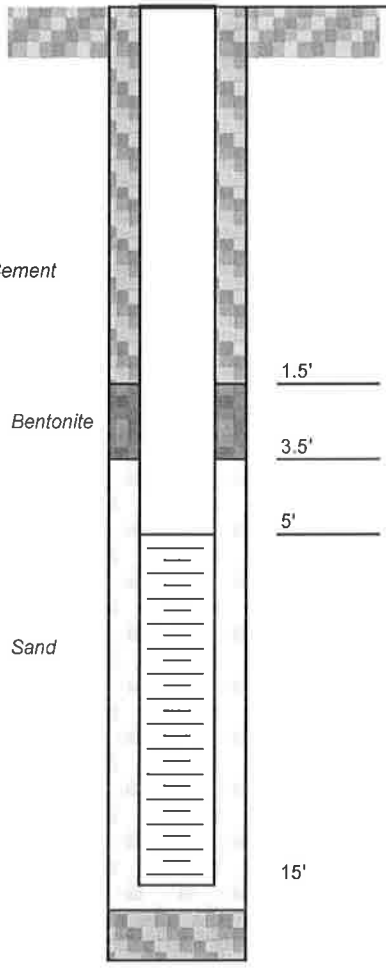
Environmental Engineers & Scientists

WELL CONSTRUCTION SUMMARY

Project: Rite Aid-Buffalo Location: 350 Niagra St, Buffalo, NY Well No.: MW-8
Permit No.:

TOC elev.:

TOC elev.:



DRILLING SUMMARY

Drilling Company: Nature's Way Drillers:
Drill Rig/Model: CME-55
Borehole Diameters: 4.25 Drilling Fluid:
Bits/Depths: Auger to 15'
Total Depth: 16' Depth To Water: 11.5'
Supervisor Geologist: M. Knight

WELL DESIGN

Casing Material:	PVC	Diameter:	2"
Screen Size:	10'	Diameter:	2"
Slot Size:	0.01"	Setting:	5-10'
Backfill		Setting:	
Filter Material:	Sand	Setting:	3.5-15'
Seals Material:	Bentonite	Setting:	1.5-3.5
Sand Cap		Setting:	
Grout:	Grount-Bentonite	Setting:	0.5-1.5
Surface Casing Material:	Steel flush mount	Setting:	

TIME LOG

	Started	Completed
Drilling:	3/28/2017	3/28/2017
Installation:	3/28/2017	3/28/2017
Development:	3/29/2017	3/19/2017

WELL DEVELOPMENT

Method: Bailer
Static Depth to Water: 11.25'
Pumping Depth To Water: N/A
Pumping Rate: Spec. Capacity:
Volume Pumped: 8.5'

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BORING #: SB-14/MW-9
Page 1 of 1

LOG OF BORING

Project: Rite Aid-Buffalo
Location: 350 NiagaraStreet, Buffalo, NY
Permit #:
Date Drilled: 3/29/17
Drilling Co.: Nature's Way
Job #: 855.001
Total Depth: 16'
Method Used: HS Auger
Inspector: Matt Knight
Organic Vapor Inst: MiniRAE 3000
Water elv: 10'

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (feet)	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	3-7-8-12	0-2	1.5	0.0	FILL: Brown, Moist, Loose, Sandy clay FILL, Some debris	FILL	
4	2	3-4-10-7	2-4	1.33	0.0	FILL: Brown, Mist, Clayey silt FILL, Some debris (paper, food wrappers, etc.)		
6	3	3-8-17-15	4-6	2.0	0.1	CLAY: Brown, Moist, Stiff, CLAY, Low to moderate plasticity. 2" silt layer at 5.5'	CL	
8	4	5-15-14-15	6-8	2.0	0.2	CLAY: Brown, Moist, Stiff, CLAY, Low to moderate plasticity.		
10	5	4-5-12-12	8-10	2.0	0.0	SILT: Brown, Wet, Loose, SILT	ML	
12	6	3-12-16-23	10-12	1.5	0.3	SILT: Brown, Wet, Dense, SILT		
14	7	10-10-16-19	12-14	1.66	0.2			
16	8	7-16-18-15	14-16	1.5	0.1			
						Boring terminated at 16' GW encourntered at 10'		

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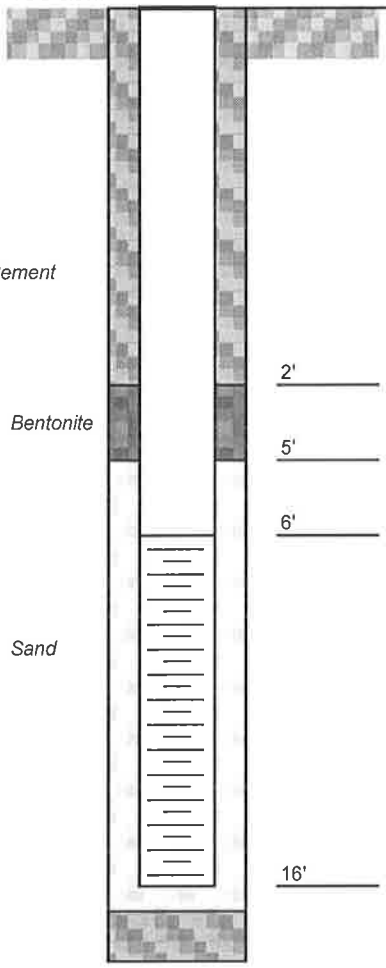
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WELL CONSTRUCTION SUMMARY

Project: Rite Aid-Buffalo Location: 350 Niagra St, Buffalo, NY Well No.: MW-9
Permit No.:

TOC elev.: -

TOC elev.:



DRILLING SUMMARY

Drilling Company: Nature's Way Drillers:
Drill Rig/Model: CME-55
Borehole Diameters: 4.25 Drilling Fluid:
Bits/Depths: Auger to 16'
Total Depth: 16' Depth To Water: 10'
Supervisor Geologist: M. Knight

WELL DESIGN

Casing Material:	PVC	Diameter:	2"
Screen Size:	10'	Diameter:	2"
Slot Size:	0.01"	Setting:	6-16'
Backfill		Setting:	
Filter Material:	Sand	Setting:	5-16'
Seals Material:	Bentonite	Setting:	2-5'
Sand Cap		Setting:	
Grout:	Grount-Bentonite	Setting:	0-2'
Surface Casing Material:	Steel flush mount	Setting:	

TIME LOG

	Started	Completed
Drilling:	3/29/2017	3/29/2017
Installation:	3/29/2017	3/29/2017
Development:	3/30/2017	3/30/2017

WELL DEVELOPMENT

Method: Bailer
Static Depth to Water: 8.41'
Pumping Depth To Water: N/A
Pumping Rate: Spec. Capacity:
Volume Pumped: 9.5

LEADER PROFESSIONAL SERVICES

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Test Pit # TP-1

LOG OF TEST HOLE

Project Rite Aid-Buffalo — Permit #:

Date Excavated 3/30/2017 — Job #: 855.002

Total Depth 8'

Inspector M. Knight — Organic Vapor Inst: MiniRAE 3000 — Water elv: Unknown

Depth (feet)	Sample No.	Sample Inter.	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	0-3	0.5	Top Soil	TOPSOIL	
4	2	3-6	0.4	CLAY: Brown, Moist, Soft, CLAY, Moderate plasticity, Some gravel	CL	
6						
8	3	6-8	3.2			

Location Diagram

North



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Test Pit # TP-2

LOG OF TEST HOLE

Project Rite Aid-Buffalo — Permit #:

Date Excavated 3/30/2017 — Job #: 855.002

Total Depth 8'

Inspector M. Knight — Organic Vapor Inst: MiniRAE 3000 — Water elv: Unknown

Depth (feet)	Sample No.	Sample Inter.	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	0-3	0.0	SAND: Dark brown, Moist, Loose, Fine grain SAND, Debris present (Brick, Plastic, Wood, etc)	SP/SW	
4	2	3-6.5	0.0	CLAY: Brown, Moist, CLAY, Low to moderate plasticity	CL	
6						
8	3	6.5-8	0.5	SILT: Tan, Wet, Dense, SILT	ML	

Location Diagram

North



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Test Pit # TP-4

LOG OF TEST HOLE

Project Rite Aid-Buffalo — Permit #:

Date Excavated 3/30/2017 — Job #: 855.002

Total Depth 8'

Inspector M. Knight — Organic Vapor Inst: MiniRAE 3000 — Water elv: Unknown

Depth (feet)	Sample No.	Sample Inter.	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	0-3	0.1	FILL: Dark brown, Gravel and Clay Mixture	FILL	
4	2	3-6	0.3	FILL: Dark gray, Moist, FILL, Sand, Gravel, Debris (Brick, Concrete, Wood)		
6						
8	3	6-8	0.2	CLAY: Brown, Moist, Low to moderate plasticity	CL	

Location Diagram

North



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Test Pit # TP-3

LOG OF TEST HOLE

Project Rite Aid-Buffalo — Permit #:

Date Excavated 3/30/2017 — Job #: 855.002

Total Depth 8.5'

Inspector M. Knight — Organic Vapor Inst: MiniRAE 3000 — Water elv: Unknown

Depth (feet)	Sample No.	Sample Inter.	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	0-1.5	0.2	FILL: Dark, Brown, Silt & Sand Mlixtre, With Gravel & Debris (Brick, Concrete) FILL	FILL	
4	2	1.5-3	1	CLAY: Brown, Wet, CLAY, Low plasticity, Trace gravel	CL	
6	3	3-6.5	1.1	CLAY: Brown, Moist, CLAY, Low plasticity		
8	4	6.5-8	1.3	CLAY: Brown and gray, Wet, CLAY, Low plasticity		

Location Diagram

North



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Test Pit # TP-5

LOG OF TEST HOLE

Project Rite Aid-Buffalo — Permit #:

Date Excavated 3/30/2017 — Job #: 855.002

Total Depth 8'

Inspector M. Knight — Organic Vapor Inst: MiniRAE 3000 — Water elv: Unknown

Depth (feet)	Sample No.	Sample Inter.	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	0-2	0.0	FILL: Dark brown, Gravel, Clay, Sand, Debris (Brick, Concrete, Wood)	FILL	
4	2	2-4	0.0	CLAY: Brown, Moist, CLAY, Low plasticity	CL	
6	3	4-6	0.1			
8	4	6-8	0.3			

Location Diagram

North



LEADER PROFESSIONAL SERVICES

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Test Pit # TP-6

LOG OF TEST HOLE

Project Rite Aid-Buffalo — Permit #:

Date Excavated 3/30/2017 — Job #: 855.002

Total Depth 8'

Inspector M. Knight — Organic Vapor Inst: MiniRAE 3000 — Water elv: Unknown

Depth (feet)	Sample No.	Sample Inter.	Org. Vap (ppm)	Sample Description	Unified Class.	Permeability
2	1	0-2	0.0	FILL: Dark brown, Gravel, Clay, Sand, Debris (Brick, Concrete, Metal)	FILL	
4	2	2-4	0.1	CLAY: Brown, Moist, CLAY, Low plasticity	CL	
6	3	4-6	0.2			
8	4	6-8	0.1			

Location Diagram

North

