

Phase II Environmental Investigation Report

Ganson Street Parcels

Northern Property – 389 and 395 Ganson Street

Southern Property – 305, 323, 339 Ganson Street

Buffalo, New York

March 2019

B0476-018-001

Prepared For:

Buffalo Riverworks, LLC

Prepared By:



PHASE II ENVIRONMENTAL INVESTIGATION REPORT

GANSON STREET PARCELS

NORTHERN PROPERTY - 389 AND 395 GANSON STREET

SOUTHERN PROPERTY - 305, 323, 339 GANSON STREET

BUFFALO, NEW YORK

March 2019

B0476-018-001

Prepared for:

Buffalo Riverworks, LLC
359 Ganson Street
Buffalo, New York

Prepared by:



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PHASE II ENVIRONMENTAL INVESTIGATION REPORT
GANSON STREET PARCELS
NORTHERN PROPERTY - 389 AND 395 GANSON STREET
SOUTHERN PROPERTY - 305, 323, 339 GANSON STREET
BUFFALO, NEW YORK

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1.0 INTRODUCTION

1.1 Background and Site Description

Benchmark Environmental Engineering & Science, PLLC (Benchmark) performed a Phase II Environmental Investigation on behalf of Buffalo Riverworks, LLC at the following properties located in the City of Buffalo, Erie County, New York (Site):

| Parcel Address | Size (acres) | Tax ID No. | Current Use |
|--------------------------------|--------------|----------------|---|
| NORTHERN PROPERTY | | | |
| 389 Ganson Street ¹ | 1.99 | 122.09-2-1.11 | Cement storage and processing facility (St. Mary's Cement) |
| 395 Ganson Street | 1.11 | 122.09-2-1.2 | Vacant grain elevator/silo structure with a former garage area. |
| SOUTHERN PROPERTY | | | |
| 305 Ganson Street | 0.84 | 122.09-2-9 | Asphalt parking lot |
| 323 Ganson Street | 0.65 | 122.09-2-10 | One single story brick building currently utilized as a workshop and storage area and an asphalt parking lot. |
| 339 Ganson Street | 1.30 | 122.09-2-2.111 | One vacant grain elevator/silo building with portions utilized as a recreational facility and miscellaneous storage for Buffalo Riverworks. |

The Site is located in a highly developed commercial and industrial area of the City of Buffalo (see Figure 1). The Site, consisting of the five parcels detailed above, totals approximately 5.9 acres (3.1 acre northern property, 2.8 acre southern property) and is supplied with and has access to municipal sanitary sewer, electric, natural-gas, and public water.

As further detailed below, Benchmark completed a Phase I Environmental Site Assessment (ESA) for the Site.

¹ As further detailed herein, a Phase II Environmental Study by others was used as the basis for subsurface environmental conditions at this parcel.

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1.2 Previous Studies

Benchmark completed two separate Phase I ESAs for the Northern and Southern Properties dated January 2019. The following provides a summary of historic Site uses and recognized environmental conditions (RECs) identified through Benchmark's review of historic sources including Sanborn maps, city directories, regulatory documents and municipal records.

NORTHERN PROPERTY SUMMARY

| Approximate Years | Reported or Suspected Use | Owner/Occupant |
|-------------------|--|---|
| 1889 to present | <p>Industrial. The Site has historically been used as a lumber yard, a linseed oil factory/storage facility and a grain milling, storage, and processing operation. In addition, the Site historically included a coal and oil building, a machine shop, railroad tracks and a boat dock/slip (Kellogg Slip/Pratt and Wadham Slip) that was backfilled with fill materials from unknown origins. Current operations include cement storage and processing, warehousing and an office.</p> <p>The Site has an extensive tank history. Historic Sanborn maps indicate the presence of process tanks such as multiple bulk linseed oil and other oil storage tanks. Municipal records indicate one 1,000-gallon gasoline underground storage tank (UST) installed in 1955, one 4,000-gallon diesel fuel UST installed in 1959 and one 4,000-gallon diesel fuel UST removed in 1965. Proper tank removal documentation is unavailable.</p> | <p>Previous owners/occupants: Spencer Kellogg, N.Y.C.R.R. Co., A.M. McLeod, Buffalo Leasing Inc., Geo. J. Meyer Malt & Grain Corp., Division of Triangle Trans., F&M Schaefer Brewing Co., St. Mary's, Esso, Buffalo Leasing Division of Triangle Trans. Co.</p> <p>Current Owner/occupant:</p> <ul style="list-style-type: none">- 389 Ganson Street: St. Mary's Cement Inc (US)- 395 Ganson Street: Ketry RE LLC |

The following provides a summary of a previous Subsurface Investigation completed at the northern property at the 389 Ganson Street parcel:

“Subsurface Investigation, St. Mary’s Cement Inc., 389 Ganson Street, Buffalo, New York, completed by GZA GeoEnvironmental of New York (GZA),” dated November 8, 2013. The work was completed under Spill No. 1216319 assigned to the Site in February 2013 when an “oil sheen” was observed between depths of 10 to 14 feet below ground surface (fbgs) during a geotechnical investigation by others. The purpose of GZA’s investigation was to further assess subsurface conditions the “oil sheen” area.

GZA completed four soil borings (SP-1 through SP-4) to depths ranging between 3.5 fbgs and 20 fbgs. One boring was converted into a temporary one-inch diameter monitoring well. According to GZA, shallow equipment refusal (i.e., 1.5 fbgs to 2 fbgs), possibly due to

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former building foundation materials, was encountered at ten boring attempts within the study area.

According to GZA, fill material consisting of sand and gravel mixed with varying amounts of brick, slag and wood fragments was observed at each boring to depths estimated between 3.5 fbs and 8 fbs. Groundwater was noted ranging between 8.5 fbs and 12 fbs.

Two soil samples and one groundwater sample were submitted to the laboratory for analytical testing. Specifically, soil/fill samples from SP-2 (16 fbs to 20 fbs) and SP-4 (12 fbs to 16 fbs) were analyzed for New York State Department of Environmental Conservation (NYSDEC) Commissioner Policy-51 (CP-51) volatile organic compounds (VOCs) and base-neutral semi-volatile organic compounds (SVOCs). The soil/fill sample from SP-2 was also analyzed for petroleum hydrocarbons. The groundwater sample from SP-2 was analyzed for CP-51 VOCs base-neutral SVOCs and petroleum hydrocarbons. Analytical results indicate the presence of base-neutral SVOCs, including polycyclic aromatic hydrocarbons (PAHs), at concentrations exceeding Part 375 Unrestricted Use Soil Cleanup Objectives (USCO), Commercial SCOs (CSCOs) and/or Industrial SCOs (ISCOs) in the soil/fill sample from SP-2. In addition, a petroleum hydrocarbon (petroleum fingerprint is characteristic of lube oil) concentration of 3,090,000 micrograms per kilogram (ug/kg) was identified in the soil/fill from SP-2. No VOCs or base-neutral SVOCs were identified in the groundwater sample collected from SP-2. A petroleum hydrocarbon concentration of 685 micrograms per liter (ug/L) was identified in the groundwater sample from SP-2.

GZA concluded that the petroleum contamination identified is likely attributed to urban fill materials from an off-site source. GZA recommended that the information be provided to the NYSDEC for their review and comments.

Although remedial work was not completed, Spill No. 1216319 was reclassified as “inactive” by the NYSDEC on November 13, 2013.

Benchmark’s investigation revealed the following RECs in connection with the northern property:

- The long history of on-Site industrial operations (i.e., lumber yard, grain silos/elevators and grain milling/malting) with various associated equipment/materials, railroad tracks, process tanks, a coal/oil building, a machine shop and the reasonably anticipated historic use and storage of hazardous/regulated materials.

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- A previous Phase II Environmental Investigation by others on a portion of the Site documented the presence of petroleum-impacted soil/fill on-Site.
- The Site has an extensive petroleum UST history; sufficient tank closure documentation is unavailable.
- Fill materials due to the potential for impacts, especially as a former dry dock/boat slip that covered a large portion of the Site was filled in with fill materials from unknown origins.
- Railroad tracks due to the potential for impacts.

SOUTHERN PROPERTY SUMMARY

| Approximate Years | Reported or Suspected Use | Owner/Occupant |
|----------------------------|---|--|
| At least 1889 through 1935 | The Site was a portion of a lumber yard with a planing mill and engine room in at least 1889 and a portion of a warehouse, dry dock and ship yard operation with a boat slip, railroad tracks and former commercial/industrial buildings from at least 1889 through approx. 1935. | C.T. Wilson's Lumber Yard, R. Mills Dry Docks and Ship Yard, Commercial Transportation Co., and Buffalo Drydock Co. |
| At least 1935 to current | Industrial and commercial. The Site/existing buildings were a portion of the greater Co Operative GLF Mills Inc. with grain elevators, car pullers/motor houses, engine/motor rooms, railroad tracks. The former dry dock/boat slip was filled in sometime prior to 1981. The larger existing building was formerly used as a grain elevator (abandoned between 1968 and 1972) and remains vacant. The smaller existing building was formerly used as a firehouse and is currently used as a workshop and storage facility. In addition, historic on-Site operations included vehicle washing/pressure washing operations from at least 1998 through at least 2001. | Previous owners/operators include Merchant and Shippers, Spencer Kellogg Sons Co., J.W. Cowper, 339 Ganson Group LLC, 8112 Group Inc., Ontario Specialty Contracting Inc. Current owner/operator: Ketry RE LLC and Ontario Specialty Contracting. |

Benchmark's investigation revealed the following RECs in connection with the southern property:

- The long history of on-Site industrial operations including a lumber yard, a dry dock/ship yard, grain silos/elevators and grain milling/malting with various associated equipment/materials, a floor drain, railroad tracks and the reasonably anticipated historic use and storage of hazardous/regulated materials. In addition, historic operations included vehicle wash/pressure wash operations and the 1995 spill incident associated with the Site suggests vehicle repair with oil changes, etc.
- The capped suspect fill port as such is suspected by Benchmark to be associated with an UST.
- The miscellaneous piping noted at the Site as the nature of the pipes is unknown.

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- Fill materials due to the potential for impacts, especially as a former dry dock/boat slip was filled in with fill materials from unknown origins.
- Railroad tracks due to the potential for impacts.

In consideration of the RECs detailed above, this Phase II was completed to assess subsurface soil/fill and groundwater conditions at the Site.

2.0 SITE INVESTIGATION ACTIVITIES

2.1 Soil Boring Investigation

On February 27, 2019 and February 28, 2019, Benchmark's subcontractor, TREC Environmental, Inc. (TREC), mobilized a direct-push drill rig (Geoprobe) equipped with a two-inch diameter, 48-inch long macro-core sampler to the Site to assess subsurface conditions on exterior portions of the Site. Figure 2 shows nine soil borings (NP SB-1 through NP SB-9) completed on the Northern Property (395 Ganson Street and proximate to 389 Ganson Street) and Figure 3 shows nine additional soil borings designated as SP SB-1 through SP SB-9 completed at the Southern Property (305, 323, 339 Ganson Street)

The physical characteristics of all soil borings were classified using the ASTM D2488 Visual-Manual Procedure Description. Soil/fill from each soil boring was screened via headspace screening using a MiniRae 2000 Photoionization Detector (PID). Visual and/or olfactory observations, if any, were noted. All field observations, including lithology, depths, PID scan results, etc., at each investigation location are summarized on the soil boring logs included in Appendix A. Photographs taken during the work are included in Appendix B.

A total of eleven soil/fill samples were selected for laboratory analysis for Target Compound List (TCL) plus CP-51 VOCs, PAHs, Resource Conservation and Recovery Act (RCRA) metals, and/or polychlorinated biphenyls (PCBs). The soil samples collected as part of the investigation were transported under chain-of custody command for analysis to TestAmerica Laboratories, Inc. (TestAmerica) in Amherst, New York. Samples were collected in laboratory provided sample jars and cooled to 4 C° prior to transport.

2.2 Groundwater Sampling

One soil boring at the northern property (NP SB-3W) and one additional boring at the southern property (SP SB-2W) were converted into temporary one-inch diameter monitoring wells. The temporary wells were installed using one-inch diameter Schedule 40 PVC well screen and riser. Groundwater grab samples were collected from the temporary wells using a dedicated and disposable 0.5" polyethylene bailer subsequent to purging a minimum of three well volumes from each well. The temporary wells were manually decommissioned (pulled) following groundwater sampling activities. The resulting open annulus was backfilled with Site soils.

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Two groundwater samples were placed in pre-cleaned laboratory provided sample bottles, cooled to 4 °C in the field, and transported under chain-of-custody to TestAmerica for analysis of TCL plus CP-51 VOCs.

3.0 INVESTIGATION FINDINGS

3.1 Site Geology/Hydrogeology

The overburden geology observed during the soil boring investigation is generally described as non-native black granular fill materials of varying thickness across the Site at depths ranging between 2 fbsgs and 13 fbsgs overlying native soils consisting of sandy lean clay to a depth of at least 28 fbsgs (see the Soil Boring Logs provided in Appendix A). Fill materials encountered during this investigation consisted of gravel or clay with sand and/or black granular material mixed with cinders, brick, coal, concrete, and/or glass. A minimal amount of slag was noted intermingled with fill material at certain borings (SP SB-3, SP SB-4, SP SB-5, SP SP-6, NP SB-2, and NP SB-3).

Groundwater was encountered during the drilling work at all soil borings at varying depths generally ranging between 3 fbsgs to 9 fbsgs.

Groundwater flow is likely to the east toward the Buffalo River. Local groundwater flow, however, may be influenced by subsurface features, such as excavations, utilities, and localized fill-conditions.

3.2 Field Observations

Soil samples from the soil boring investigation were observed and scanned via headspace screening for volatile organics using a PID. A description of the field observations during the soil boring investigations are presented below:

| Investigation Location ID | Environmental Concern Assessed | Highest PID reading (parts per million, ppm) and depth (fbsgs) | Other Observations |
|---------------------------|--|--|--|
| Northern Property | | | |
| NP SB-1 | Former building and railroad tracks. | 0 | Fill to 5 fbsgs. |
| NP SB-2 | Existing railroad tracks. | 0 | Fill to 9 fbsgs. |
| NP SB-3 | Former boat slip that was backfilled with unknown materials. | 89.7 ppm at 24 fbsgs | Fill to 13 fbsgs. Black staining and petroleum-like odors from 10 to 28 fbsgs. |
| NP SB-4 | | 0 | Fill to 4 fbsgs. |
| NP SB-5 | | 0 | Fill to 5 fbsgs. Non-descript odor from 1 to 5 fbsgs. |

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| Investigation Location ID | Environmental Concern Assessed | Highest PID reading (parts per million, ppm) and depth (fbgs) | Other Observations |
|---------------------------|---|---|---|
| NP SB-6 | Former diesel fuel UST and existing railroad tracks. | 0 | Fill to 3 fbg.s. |
| NP SB-7 | Suspect concrete pad and existing railroad tracks, proximate to former UST areas. | 0 | Fill to 2 fbg.s. |
| NP SB-8 | Former gasoline UST and pump island locations, existing railroad tracks. | 0 | Fill to 5 fbg.s. |
| NP SB-9 | West of vacant silo building and garage. | 0 | Fill to 5 fbg.s. |
| Southern Property | | | |
| SP SB-1 | West of vacant grain silos and railroad track areas. | 0 | Fill to 5.5 fbg.s. |
| SP SB-2 | Eastern down-gradient end of the Site. | 0 | Fill to 6.5 fbg.s. |
| SP SB-3 | Existing railroad tracks. | 0 | Fill to 4 fbg.s. |
| SP SB-4 | | 0 | Fill to 5 fbg.s. |
| SP SB-5 | Former dry dock that was backfilled with unknown materials. | 0 | Fill to 8 fbg.s. |
| SP SB-6 | Former joiner shop/general site conditions. | 0 | Fill to 5 fbg.s. |
| SP SB-7 | Former planing mill, engine house, and railroad tracks. | 0 | Fill to 3 fbg.s. |
| SP SB-8 | Former building and railroad tracks. | 0 | Fill to 5 fbg.s. |
| SP SB-9 | Suspect remote fill port for presumed UST (unknown location). | 2.3 ppm, 2-5 fbg.s | Fill to 2 fbg.s. Slight petroleum-like odors. |

3.3 Soil Analytical Results

Table 1 presents a summary of the laboratory analytical results. For comparative purposes, Table 1 includes CP-51 Soil Cleanup Levels (SCLs), 6NYCRR Part 375 USCOs, CSCOs, and ISCOs. Appendix C contains a copy of the laboratory analytical data package.

PAHs were identified at concentrations exceeding CP-51 SCLs, USCOs, CSCOs and/or ISCOs in six soil/fill samples collected across the Site at SP SB-2, SP SB-3, SP SB-4, SP SB-5, SP SB-9 and NP SB-5.

Arsenic exceeded its ISCO at NP SB-4 and NP SB-9. Arsenic exceeded its USCO at NP SB-3. Additional metals (i.e., chromium, lead and/or mercury) exceeded their respective USCOs in all soil/fill samples except SP SB-9.

To a lesser extent, VOCs (1,4-dichlorobenzene, chlorobenzene, methylene chloride and total xylenes) were identified at concentrations exceeding CP-51 SCLs and USCOs at

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NP SB-3 in the former boat slip area where field observations indicated black staining and petroleum-like odors.

PCBs were not identified at a concentration above laboratory detection limits in the soil/fill samples collected across the Site.

3.4 Groundwater Analytical Results

Groundwater sample results are summarized on Table 2 with comparison to Class GA Groundwater Quality Standards (GWQS) per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1). A copy of the complete laboratory analytical data package is included in Appendix C.

As summarized on Table 2, VOCs were either not detected above laboratory detection limits or concentrations were significantly below their respective Class GA GWQS.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the Phase II Environmental Investigation at the Site, Benchmark offers the following conclusions and recommendations:

- The 5.9 acre Site (3.1 acre northern property and 2.8 acre southern property) has a long commercial and industrial history with operations including lumber yards, a ship yard, grain silos/elevators, grain milling/malting, a linseed oil factory, a machine shop, and a coal and oil building. Various equipment/materials, railroad tracks, process tanks and petroleum USTs were identified in connection with former operations. In addition, boat dock/slips located on-Site were previously backfilled and brought to grade with fill materials from unknown origins.
- The highest PID reading identified during the work (89.7 ppm) was identified at NP SB-3 in a former boat dock/slip area. Black staining and petroleum-like odors were identified at NP SB-3. As further detailed below, low level VOC exceedances were identified in soil/fill at NP SB-3. No analytical VOC concerns were identified in groundwater NP SB-3. The second highest PID reading (2.3 ppm) was identified proximate to a suspect fill port for a presumed UST (unknown location/disposition) at SP SB-9; slight petroleum-like odors were also noted.
- A previous geotechnical investigation by others on the northern property (at 389 Ganson Street) in February 2013 identified a subsurface “oil sheen” and a subsequent Phase II, also by others, in November 2013 under Spill No. 1216319 identified petroleum-impacted fill material with SVOCs (including PAHs) yielding concentrations above USCOs, CSCOs and/or ISCOs. Petroleum fingerprint results reportedly indicate that the contamination identified is characteristic of lube oil. Although remedial work was not completed, Spill No. 1216319 was reclassified as “inactive” by the NYSDEC on November 13, 2013.
- Benchmarks investigation identified non-native black granular fill materials consisting of cinders, brick, coal, concrete, and/or glass of varying thickness across the Site at depths ranging between 2 fbs and 13 fbs. A minimal amount of slag was noted intermingled with fill material at certain borings (SP SB-3, SP SB-4, SP SB-5, SP SP-6, NP SB-2, and NP SB-3).
- Analytical results indicate the presence of fill materials impacted by PAHs and metals across the Site with concentrations exceeding 6NYCRR Part 375 USCOs, CSCOs and ISCOs. To a lesser extent, VOCs were identified in soil/fill at concentrations exceeding CP-51 SCLs and USCOs at NP SB-3.
- VOC concentrations in groundwater samples were either not detected above laboratory detection limits or were at concentrations below GWQS.
- We understand that the property is being considered for redevelopment for commercial purposes. Based on the findings detailed above with concentrations in

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soil/fill exceeding the intended commercial end-use, the Site is a potential candidate for the New York Brownfield Cleanup Program (BCP). Regardless of whether the BCP is pursued, impacted fill present on-Site will require exposure control, remediation and/or proper soil management either prior to or during the redevelopment project.

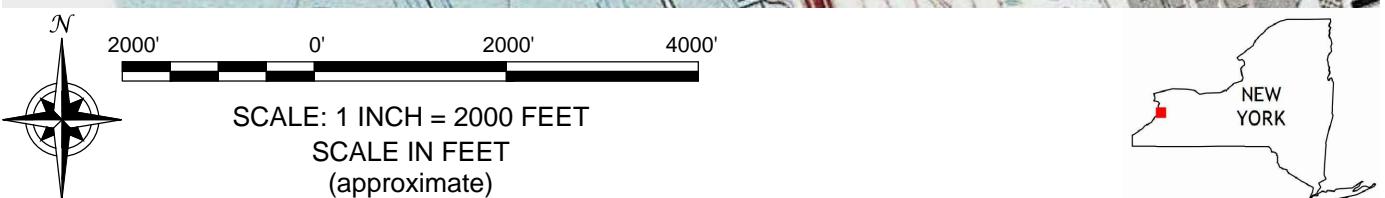
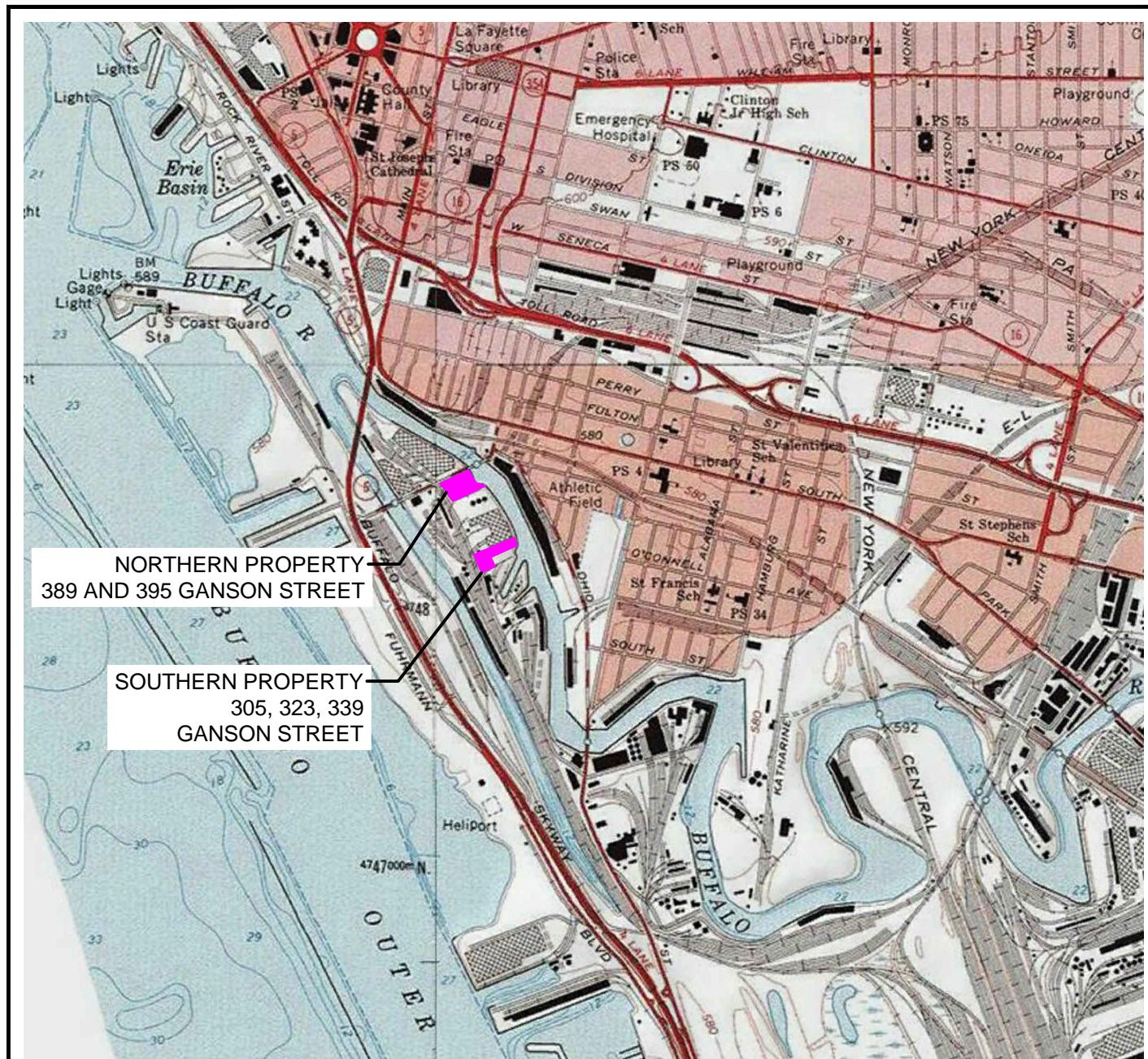
5.0 LIMITATIONS

This report has been prepared for the exclusive use of Buffalo Riverworks, LLC. The contents of this report are limited to information available at the time of the Site investigation activities and to data referenced herein, and assume all referenced historic information sources to be true and accurate. The findings herein may be relied upon only at the discretion of Buffalo Riverworks, LLC. Use of or reliance on this report or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering & Science, PLLC.

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FIGURES

FIGURE 1



2558 HAMBURG TURNPIKE
SUITE 300
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SITE LOCATION AND VICINITY MAP

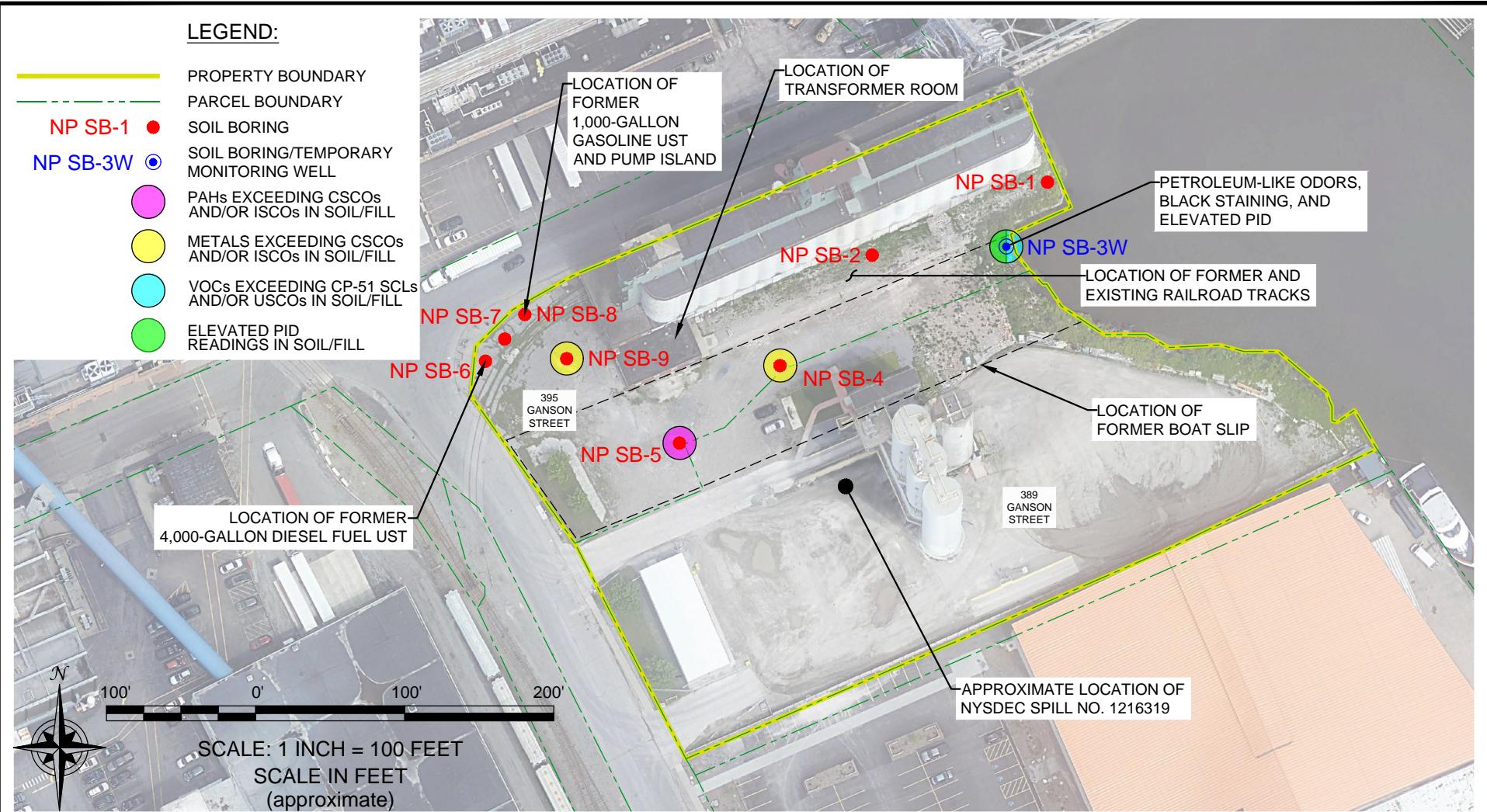
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INVESTIGATION LOCATIONS AND AREAS OF CONCERN NORTHERN PROPERTY

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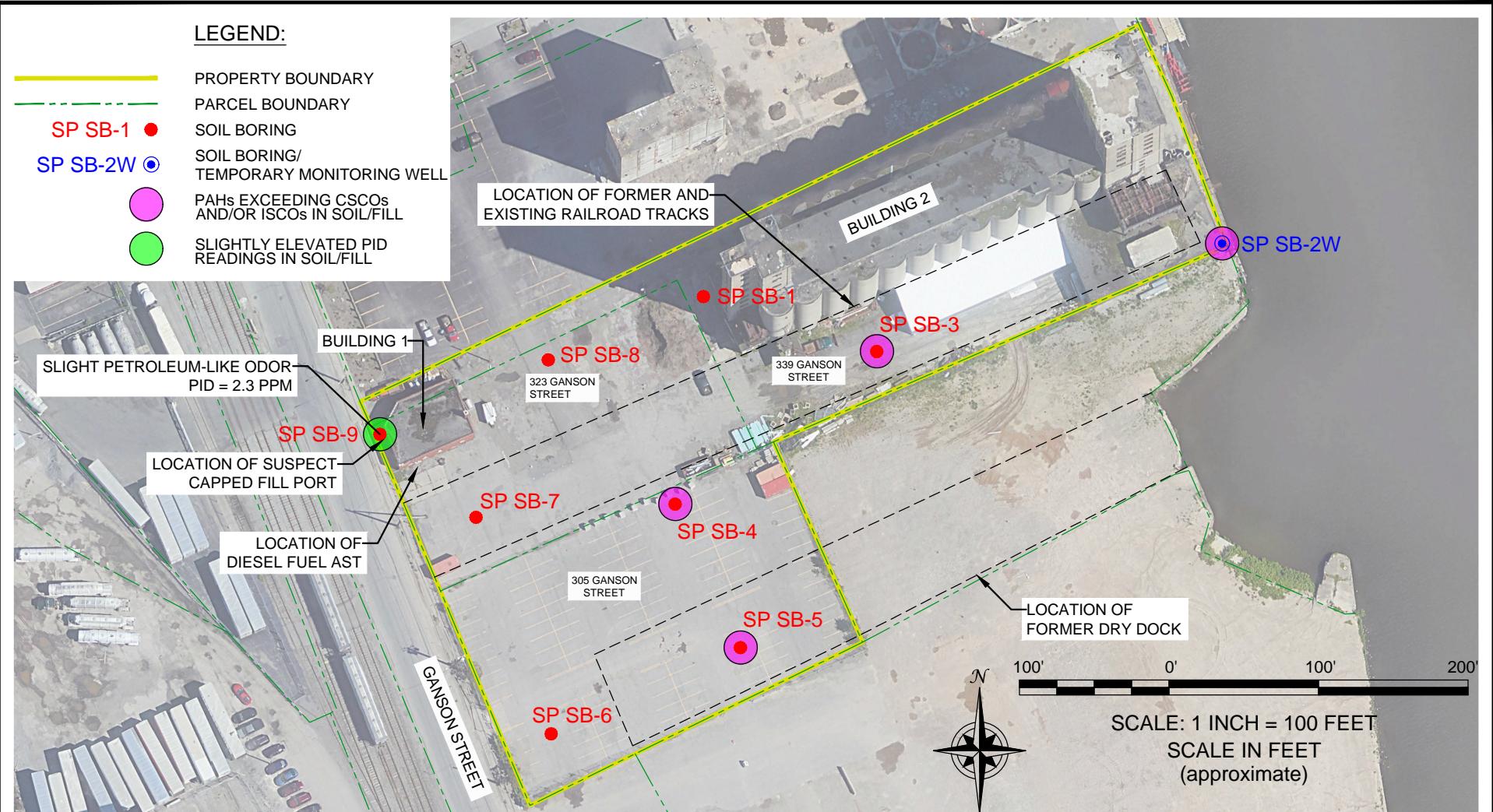
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FIGURE 2

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INVESTIGATION LOCATIONS AND AREAS OF CONCERN SOUTHERN PROPERTY

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FIGURE 3

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TABLES

TABLE 1

SUMMARY OF SUBSURFACE SOIL/FILL SAMPLE ANALYTICAL RESULTS
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| PARAMETER ¹ | CP-51 SCLs ² | Unrestricted Use SCOs ³ | Commercial Use SCOs ³ | Industrial Use SCOs ³ | Sample Location (Depth - ft) | | | | | | | | | | | | | | | | | | | |
|--|-------------------------|------------------------------------|----------------------------------|----------------------------------|---|------------------|----------------|----------------|----------------|---|----------------|----------------|----------------|----------------|----------------|--|--|--|--|--|--|--|--|--|
| | | | | | NP SB-3 (8-12') | NP SB-3 (16-20') | NP SB-4 (1-3') | NP SB-5 (3-5') | NP SB-9 (3-5') | SP SB-2 (3-5') | SP SB-3 (2-4') | SP SB-4 (1-3') | SP SB-5 (3-5') | SP SB-8 (3-5') | SP SB-9 (3-5') | | | | | | | | | |
| | | | | | 389 AND 395 GANSON STREET (NORTHERN PROPERTY) | | | | | 305, 323, 339 GANSON STREET (SOUTHERN PROPERTY) | | | | | | | | | | | | | | |
| 2/28/2019 | | | | | | | | | | 2/27/2019 | | | | | | | | | | | | | | |
| Volatile Organic Compounds (VOCs) - mg/Kg⁴ | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 3.6 | 3.6 | 190 | 380 | 0.088 J | 0.91 J | -- | -- | -- | -- | -- | -- | -- | -- | 0.0017 J F1 vs | | | | | | | | | |
| 1,3-Dichlorobenzene | 2.4 | 2.4 | 280 | 560 | ND | 0.47 J | -- | -- | -- | -- | -- | -- | -- | -- | ND | | | | | | | | | |
| 1,4-Dichlorobenzene | 1.8 | 1.8 | 130 | 250 | ND | 3.8 | -- | -- | -- | -- | -- | -- | -- | -- | ND | | | | | | | | | |
| 2-Butanone (MEK) | -- | 0.12 | 500 | 1000 | ND | ND | -- | -- | -- | -- | -- | -- | -- | -- | 0.0044 J F1 vs | | | | | | | | | |
| Acetone | -- | 0.05 | 500 | 1000 | ND | ND | -- | -- | -- | -- | -- | -- | -- | -- | 0.02 J vs | | | | | | | | | |
| Benzene | 0.06 | 0.06 | 44 | 89 | ND | ND | -- | -- | -- | -- | -- | -- | -- | -- | 0.00041 J vs | | | | | | | | | |
| Chlorobenzene | -- | 1.1 | 500 | 1000 | 0.23 J | 2.2 | -- | -- | -- | -- | -- | -- | -- | -- | ND | | | | | | | | | |
| Chloroform | -- | 0.37 | 350 | 700 | ND | ND | -- | -- | -- | -- | -- | -- | -- | -- | 0.00049 J B vs | | | | | | | | | |
| Cyclohexane | -- | -- | -- | -- | ND | 0.49 J | -- | -- | -- | -- | -- | -- | -- | -- | ND | | | | | | | | | |
| Isopropylbenzene (Cumene) | 2.3 | -- | -- | -- | ND | 0.57 J | -- | -- | -- | -- | -- | -- | -- | -- | 0.0076 F1 vs | | | | | | | | | |
| Methylcyclohexane | -- | -- | -- | -- | ND | 2 | -- | -- | -- | -- | -- | -- | -- | -- | ND | | | | | | | | | |
| Methylene chloride | -- | 0.05 | 500 | 1000 | 0.11 J B | 0.45 J B | -- | -- | -- | -- | -- | -- | -- | -- | 0.0095 B vs | | | | | | | | | |
| n-Butylbenzene | 12 | 12 | 500 | 1000 | ND | 1.3 J | -- | -- | -- | -- | -- | -- | -- | -- | ND | | | | | | | | | |
| n-Propylbenzene | 3.9 | 3.9 | 500 | 1000 | ND | ND | -- | -- | -- | -- | -- | -- | -- | -- | 0.0034 J F1 vs | | | | | | | | | |
| sec-Butylbenzene | 11 | 11 | 500 | 1000 | ND | 0.75 J | -- | -- | -- | -- | -- | -- | -- | -- | 0.0059 J F1 vs | | | | | | | | | |
| tert-Butylbenzene | 5.9 | 5.9 | 500 | 1000 | ND | ND | -- | -- | -- | -- | -- | -- | -- | -- | 0.0023 J F1 vs | | | | | | | | | |
| Total Xylenes | 0.26 | 0.26 | 500 | 1000 | 0.073 J | 0.89 J | -- | -- | -- | -- | -- | -- | -- | -- | 0.0016 J F1 vs | | | | | | | | | |
| Polycyclic Aromatic Hydrocarbons (PAHs) - mg/Kg⁴ | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 20 | 500 | 1000 | 0.99 | -- | ND | 6.2 J | ND | 0.26 J | 3.5 | ND | ND | ND | ND | | | | | | | | | |
| Anthracene | 100 | 100 | 500 | 1000 | 1 | -- | ND | 11 | ND | 0.69 J | 7.5 | ND | ND | ND | ND | | | | | | | | | |
| Benzo(a)anthracene | 1 | 1 | 5.6 | 11 | 0.89 | -- | ND | 14 | 0.21 J | 2.4 | 9.9 | 1.2 J | 2.3 J | ND | 0.44 J | | | | | | | | | |
| Benzo(a)pyrene | 1 | 1 | 1 | 1.1 | 0.68 | -- | ND | 12 | 0.18 J | 2 | 8.2 | 1.2 J | 2 J | ND | ND | | | | | | | | | |
| Benzo(b)fluoranthene | 1 | 1 | 5.6 | 11 | 0.83 | -- | ND | 15 | 0.24 J | 2.8 | 9.4 | 1.8 J | 2.8 J | 0.77 J | 0.94 J | | | | | | | | | |
| Benzo(ghi)perylene | 100 | 100 | 500 | 1000 | 0.35 J | -- | ND | 6.8 J | 0.15 J | 1.4 | 4.7 | 1.2 J | 1.5 J | 0.53 J | 0.62 J | | | | | | | | | |
| Benzo(k)fluoranthene | 0.8 | 0.8 | 56 | 110 | 0.27 J | -- | ND | 5.5 J | ND | 1.1 | 4.5 | ND | 1.6 J | ND | ND | | | | | | | | | |
| Chrysene | 1 | 1 | 56 | 110 | 0.76 | -- | ND | 13 | ND | 2.5 | 8.9 | 1.6 J | 2.7 J | ND | ND | | | | | | | | | |
| Dibenz(a,h)anthracene | 0.33 | 0.33 | 0.56 | 1.1 | ND | -- | ND | ND | ND | 1.2 | ND | ND | ND | ND | ND | | | | | | | | | |
| Fluoranthene | 100 | 100 | 500 | 1000 | 2.3 | -- | ND | 37 | 0.37 J | 4.8 | 20 | 2.8 J | 5.6 | 1.2 J | 1.7 J | | | | | | | | | |
| Fluorene | 30 | 30 | 500 | 1000 | 1.6 | -- | ND | 14 | ND | 0.19 J | 3.5 | ND | ND | ND | ND | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 5.6 | 11 | 0.35 J | -- | ND | 7.2 J | ND | 1.1 | 4.3 | 1 J | 1.3 J | ND | 0.54 J | | | | | | | | | |
| Naphthalene | 12 | 12 | 500 | 1000 | 0.12 J | -- | ND | 9.5 J | ND | 0.59 J | ND | ND | ND | ND | ND | | | | | | | | | |
| Phenanthrene | 100 | 100 | 500 | 1000 | 2.8 | -- | ND | 48 | 0.39 J | 3 | 21 | 1.3 J | 4 | ND | ND | | | | | | | | | |
| Pyrene | 100 | 100 | 500 | 1000 | 1.7 | -- | ND | 26 | 0.32 J | 4 | 17 | 2.4 J | 4.5 | 1.1 J | 1.3 J | | | | | | | | | |
| Total PAHs | -- | -- | -- | -- | 14.64 J | -- | 0 | 225.2 J | 1.86 J | 26.24 J | 124.19 J | 14.5 J | 28.3 J | 3.6 J | 5.54 J | | | | | | | | | |
| Metals - mg/Kg | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | -- | 13 | 16 | 16 | 15.1 | -- | 17 | 5.6 | 16.5 | 7.7 F1 | 6.8 | 8.7 | 6.3 | 6.9 | 3.6 | | | | | | | | | |
| Barium | -- | 350 | 400 | 10000 | 96.1 | -- | 137 | 92.4 | 240 | 177 | 130 | 191 | 173 | 102 | 116 | | | | | | | | | |
| Cadmium | -- | 2.5 | 9.3 | 60 | 0.74 | -- | 0.49 | 0.37 | 0.52 | 0.56 F1 | 0.42 | 0.42 | 0.43 | 0.57 | 0.22 J | | | | | | | | | |
| Chromium | -- | 30 | 1500 | 6800 | 49.5 | -- | 10.3 | 14.7 | 22.5 | 12 F2 | 26.3 | 27.2 | 15.6 | 30.2 | 7 | | | | | | | | | |
| Lead | -- | 63 | 1000 | 3900 | 130 | -- | 137 | 57.9 | 175 | 568 F2 | 151 | 143 | 162 | 424 | 44.1 | | | | | | | | | |
| Mercury | -- | 0.18 | 2.8 | 5.7 | 2.4 | -- | 0.25 | 0.12 | 1.8 | 0.65 F1 | 0.2 | 0.097 | 0.25 | 0.47 | 0.041 | | | | | | | | | |
| Selenium | -- | 3.9 | 1500 | 6800 | ND | -- | 0.97 J | ND | ND | 1.3 J F1 | ND | 2 J | 0.59 J | 0.97 J | 0.93 J | | | | | | | | | |
| Silver | -- | 2 | 1500 | 6800 | ND | -- | ND | ND | 0.76 | ND | -- | ND | ND | ND | ND | | | | | | | | | |
| Polychlorinated biphenyls (PCBs) - mg/Kg | | | | | | | | | | | | | | | | | | | | | | | | |
| Total PCBs | -- | 0.1 | 1 | 25 | ND | ND | ND | ND | -- | ND | -- | -- | ND | -- | -- | | | | | | | | | |

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; other compounds were reported as non-detect.

2. Values per NYSDEC CP-51 Soil Cleanup Levels (SCLs) for petroleum impacted sites.

3. Values per NYSDEC Part 375 Soil Cleanup Objectives (SCOs).

4. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparisons to SCOS.

Definitions:

ND = Parameter not detected above laboratory detection limit.

-- = No value available for the parameter; Parameter not analyzed for.

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

F1 = MS and/or MSD recovery is outside acceptance limits.

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PHASE II ENVIRONMENTAL INVESTIGATION REPORT
NORTHERN PROPERTY 389 AND 395 GANSON STREET
SOUTHERN PROPERTY 305, 323, 339 GANSON STREET
BUFFALO, NEW YORK

| PARAMETER ¹ | GWQS ² | Sample Location | |
|---|-------------------|--|--|
| | | SB-3W | SB-2W |
| | | 389 AND 395 GANSON STREET (NORTHERN PROPERTY) | 305, 323, 339 GANSON STREET (SOUTHERN PROPERTY) |
| | | 2/28/2019 | 2/27/2019 |
| Volatile Organic Compounds (VOCs) - ug/L | | | |
| Acetone | 50 | 4 J | 39 |
| Carbon disulfide | -- | 0.27 J | 0.46 J |
| Cyclohexane | -- | 0.21 J | ND |
| Methylene Chloride | 5 | ND | 1.2 J |
| Methylcyclohexane | -- | 0.42 J | ND |

Notes:

- Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
- Values per NYSDEC Division of Water Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations - Class GA (TOGS 1.1.1)

Definitions:

ND = Parameter not detected above laboratory detection limit.

J = Estimated Value - Below calibration range.

PHASE II ENVIRONMENTAL INVESTIGATION REPORT
NORTHERN PROPERTY - 389 AND 395 GANSON STREET
SOUTHERN PROPERTY - 305, 323, 339 GANSON STREET

APPENDIX A

SOIL BORING LOGS

Project No: B0476-018-001

Borehole Number: NP SB-1

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

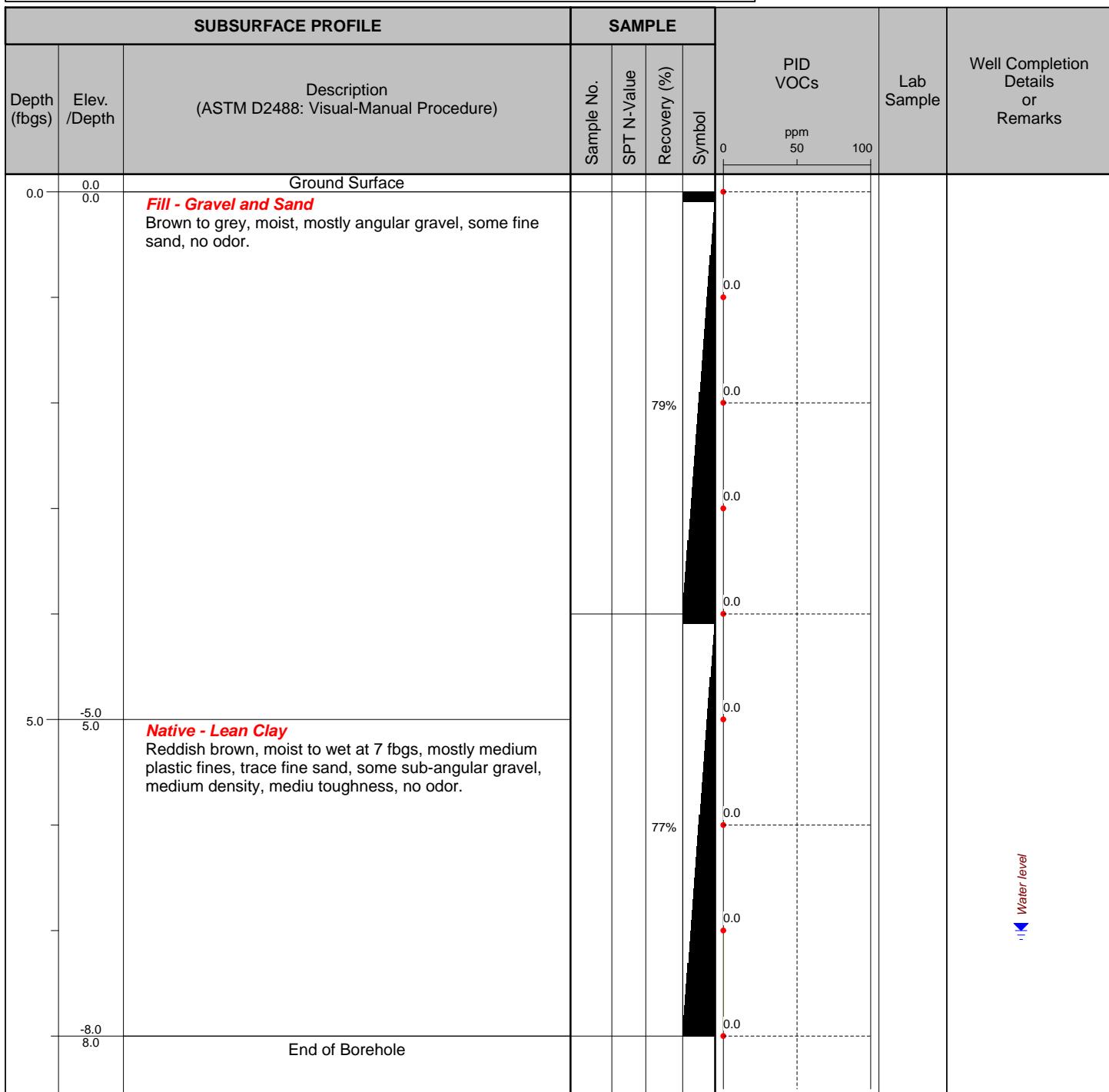
Logged By: CMS

Site Location: 395 Ganson Street

Checked By: BWM



Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: NP SB-2

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

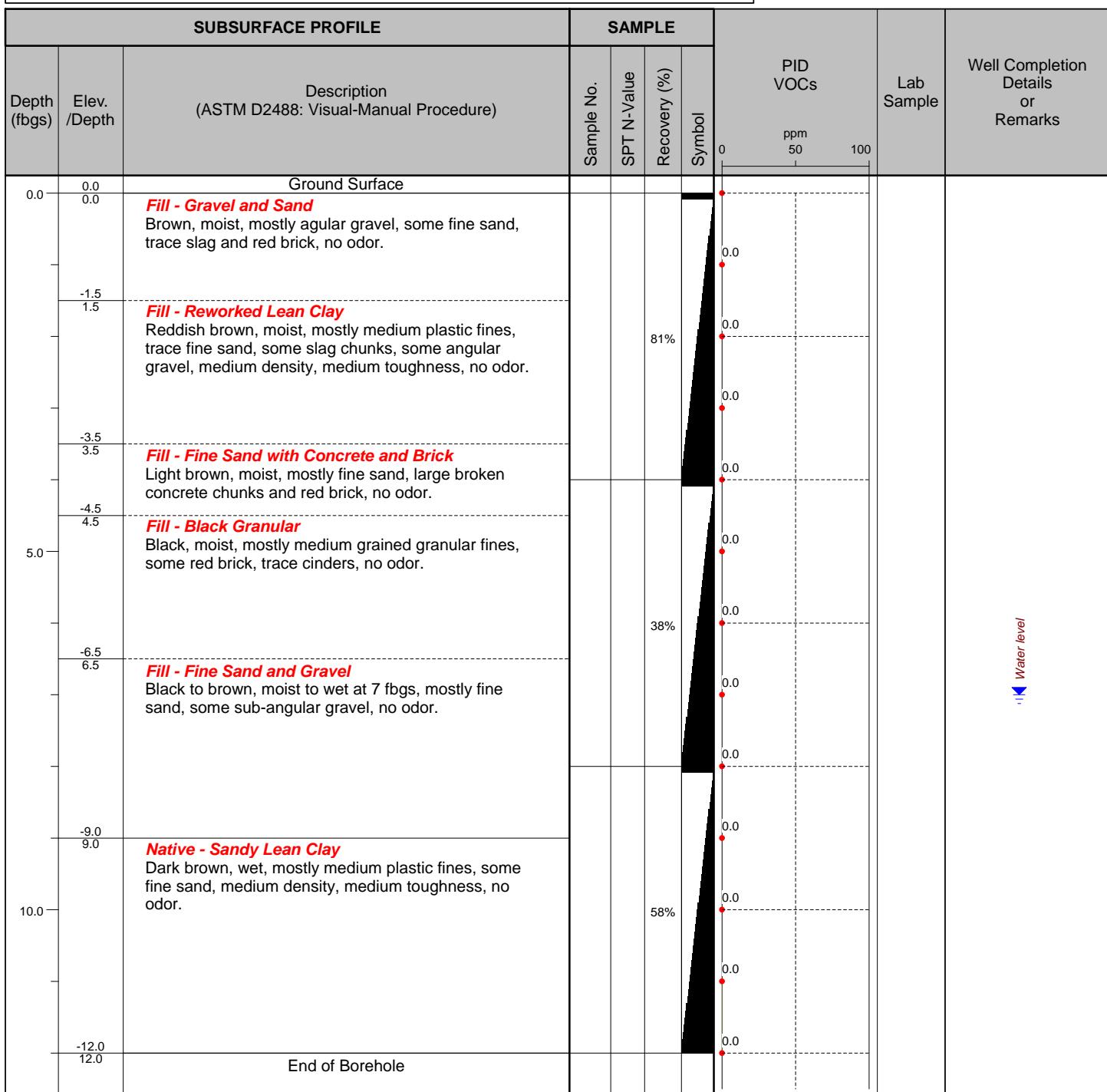
Logged By: CMS

Site Location: 395 Ganson Street

Checked By: BWM



Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: NP SB-3

Project: Phase II

A.K.A.: NP SB-3W

Client: Buffalo Riverworks LLC

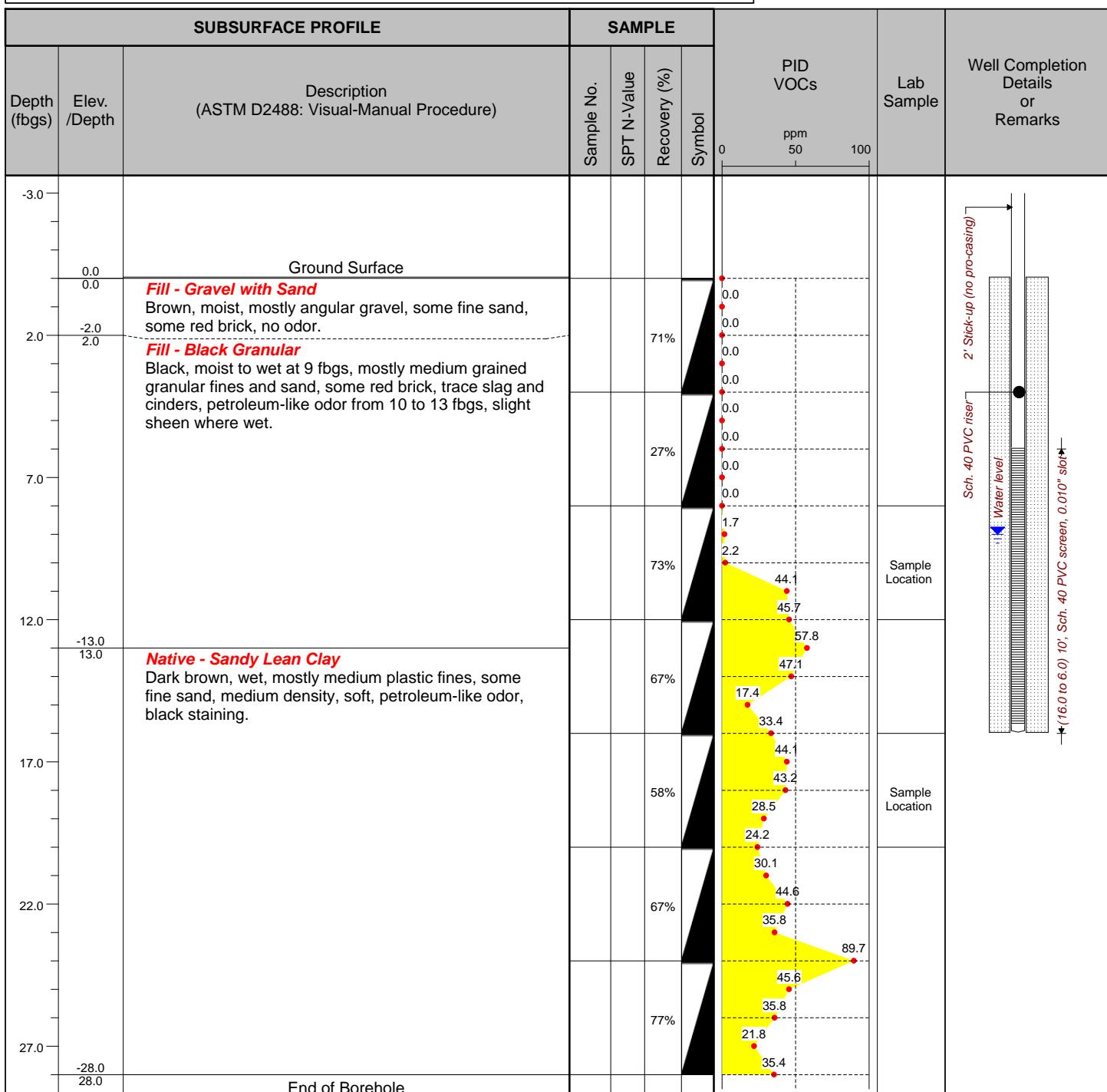
Logged By: CMS

Site Location: 395 Ganson Street

Checked By: BWM



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up: 2'

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: NP SB-4

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

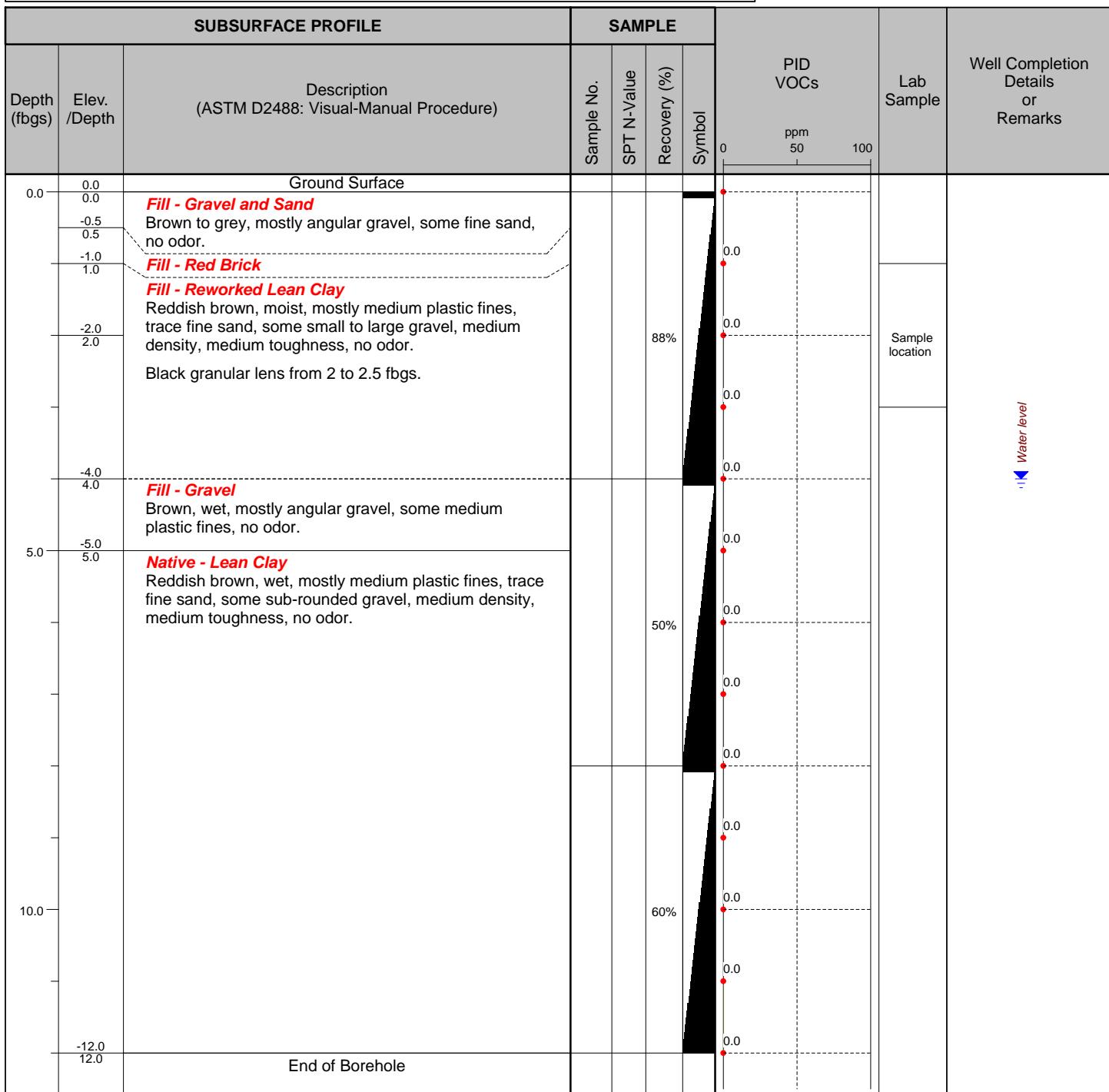
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Site Location: 395 Ganson Street

Checked By: BWM



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: NP SB-5

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

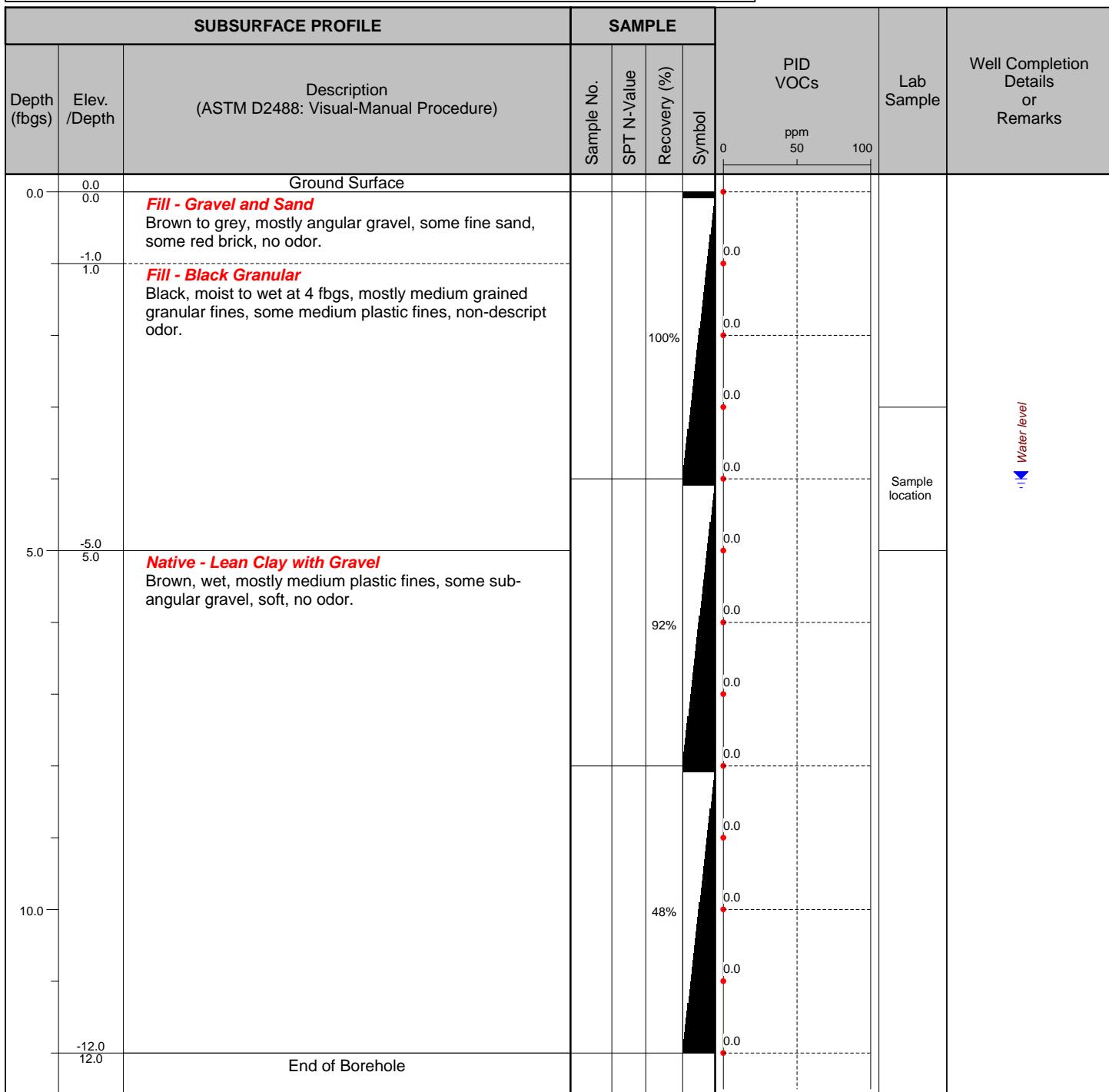
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Site Location: 395 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: NP SB-6

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

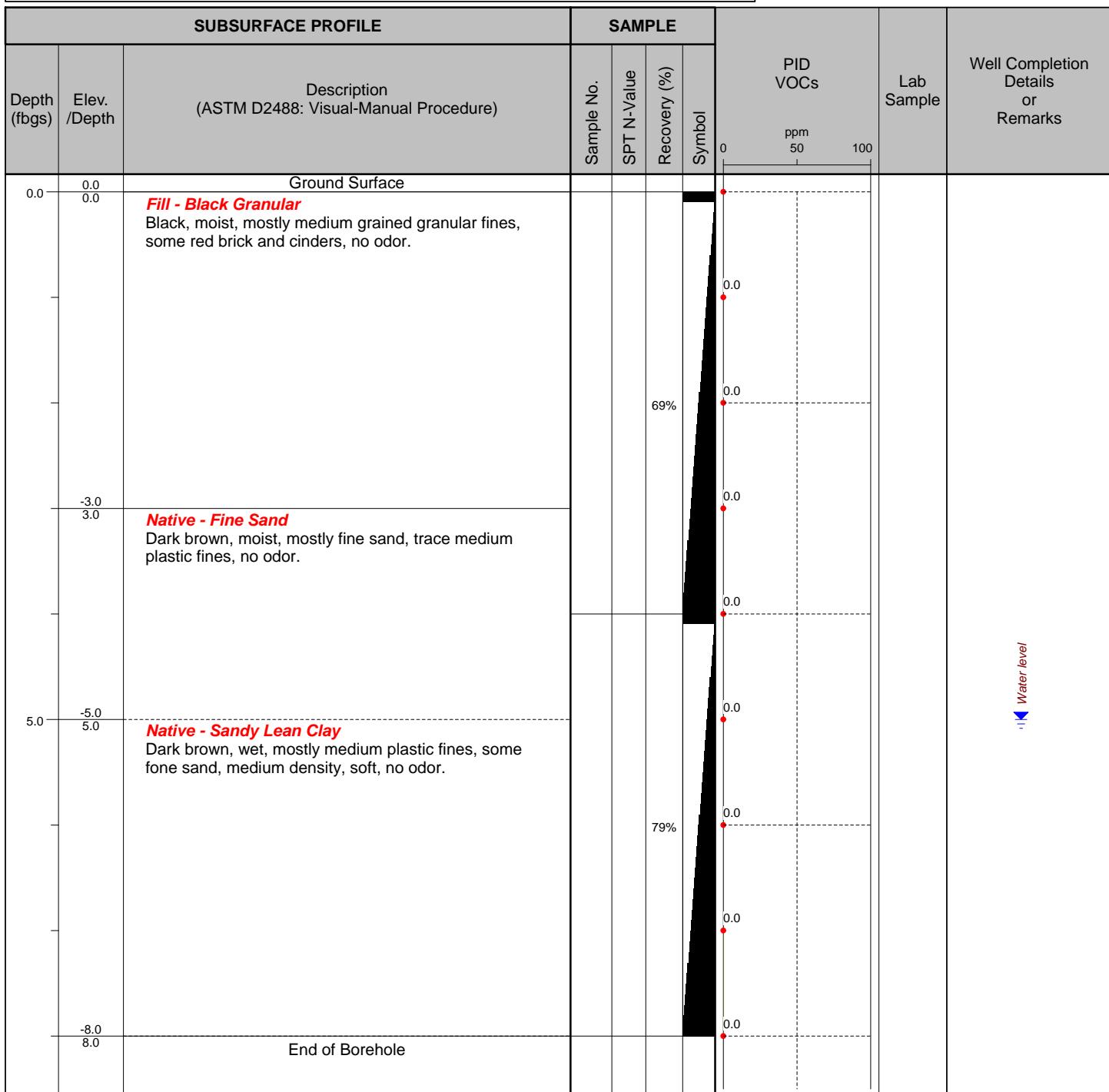
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Site Location: 395 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: NP SB-7

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

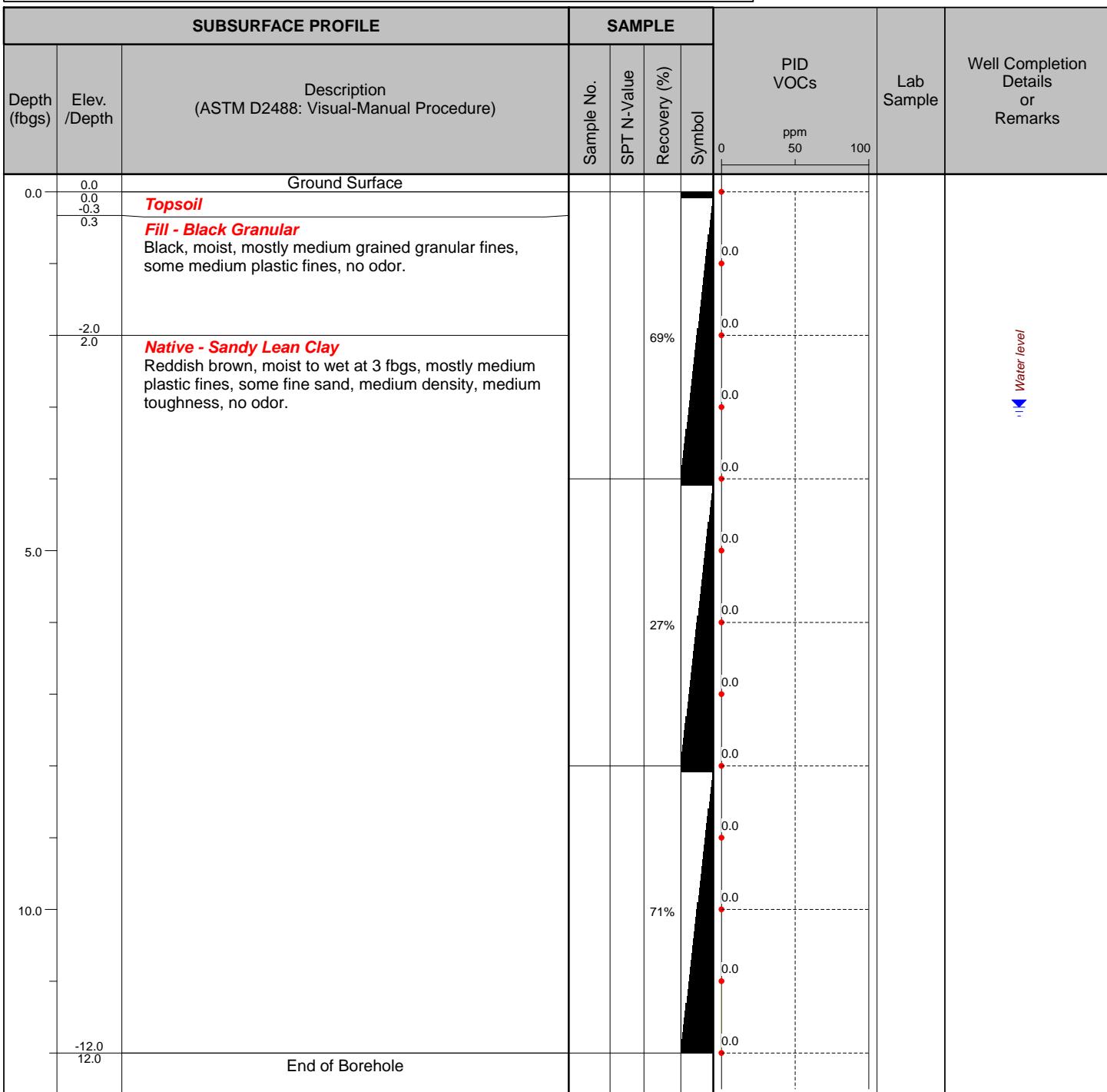
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Site Location: 395 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: NP SB-8

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

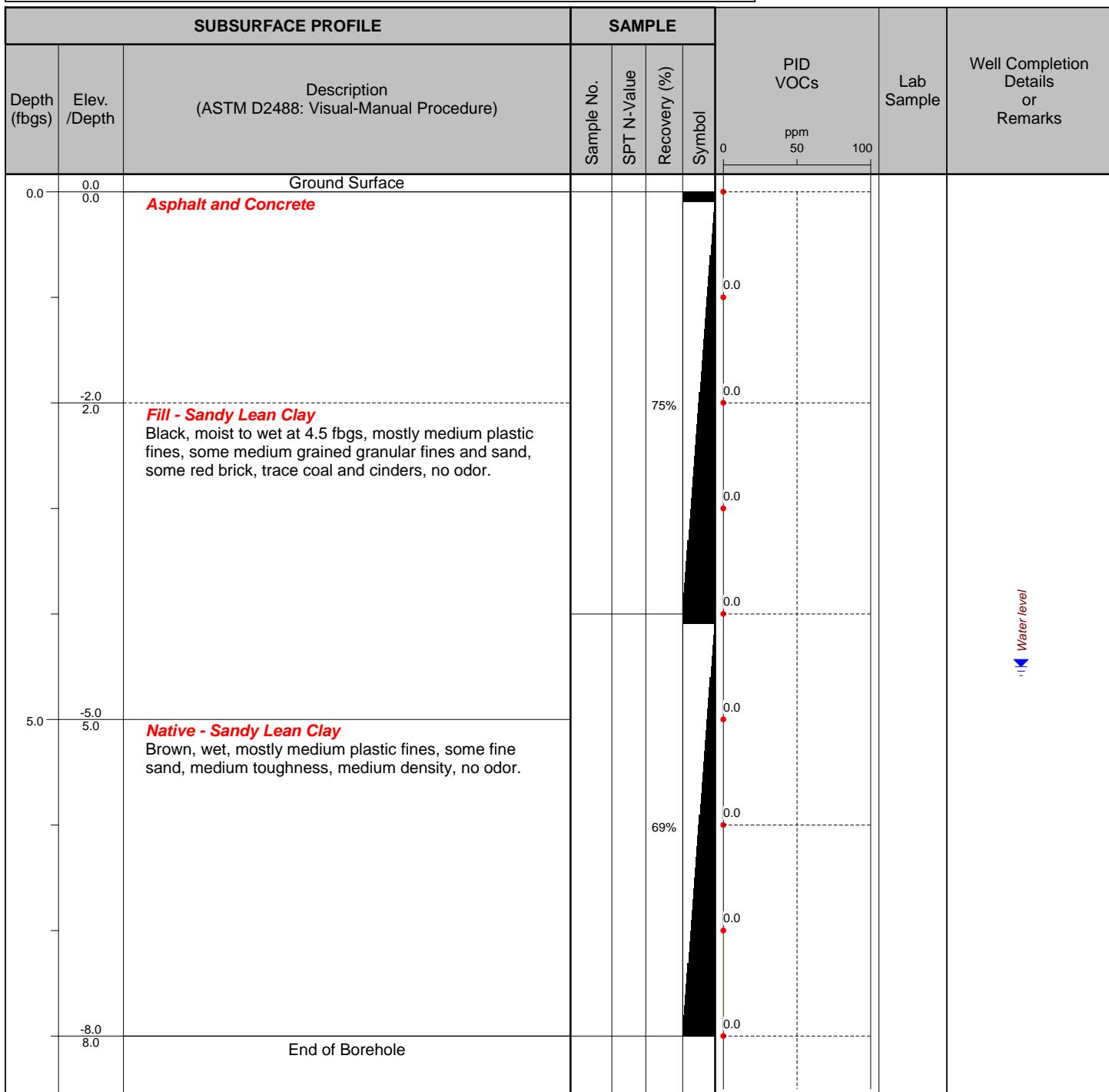
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Site Location: 395 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: NP SB-9

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

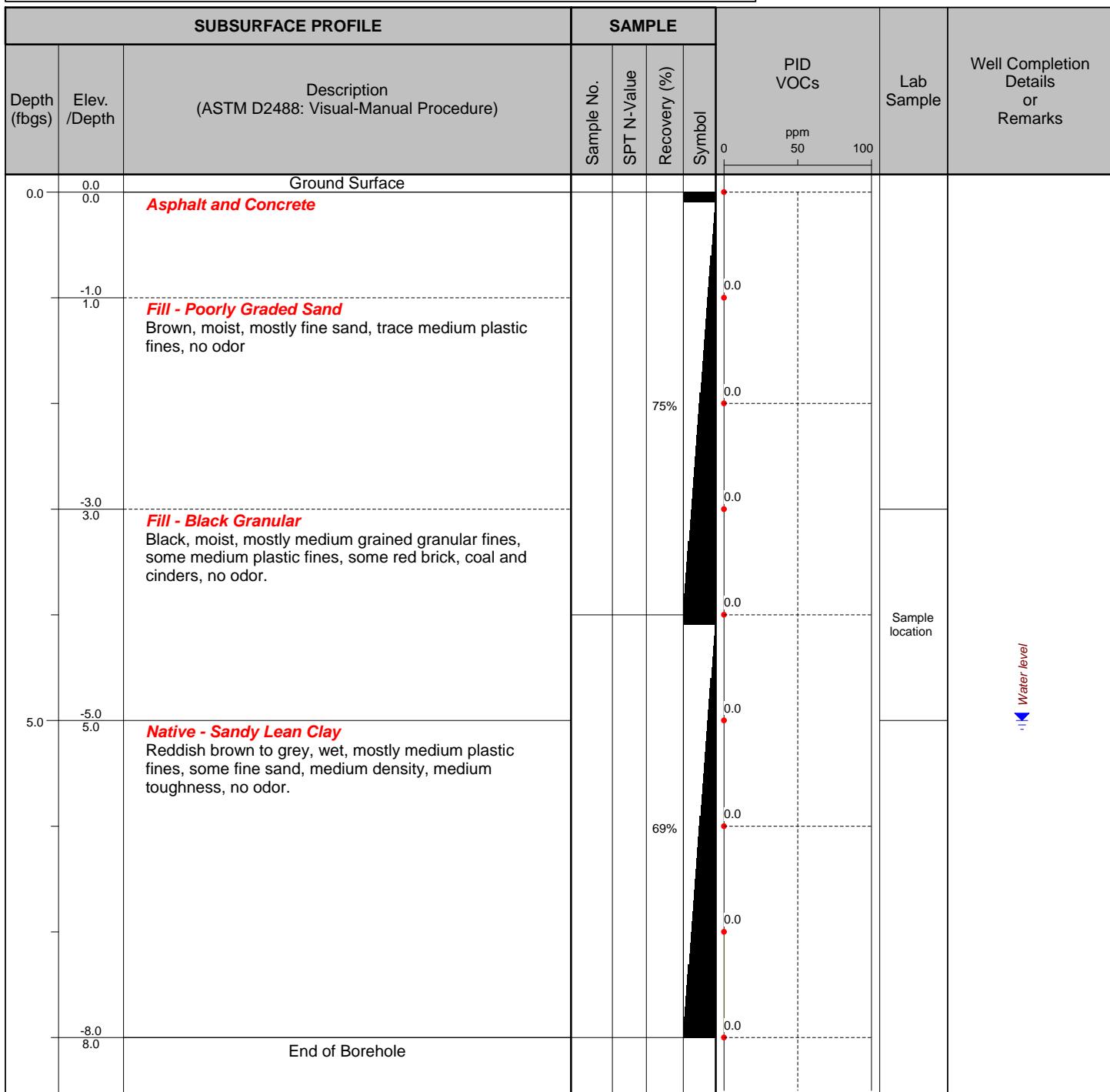
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Site Location: 395 Ganson Street

Checked By: BWM



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-1

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

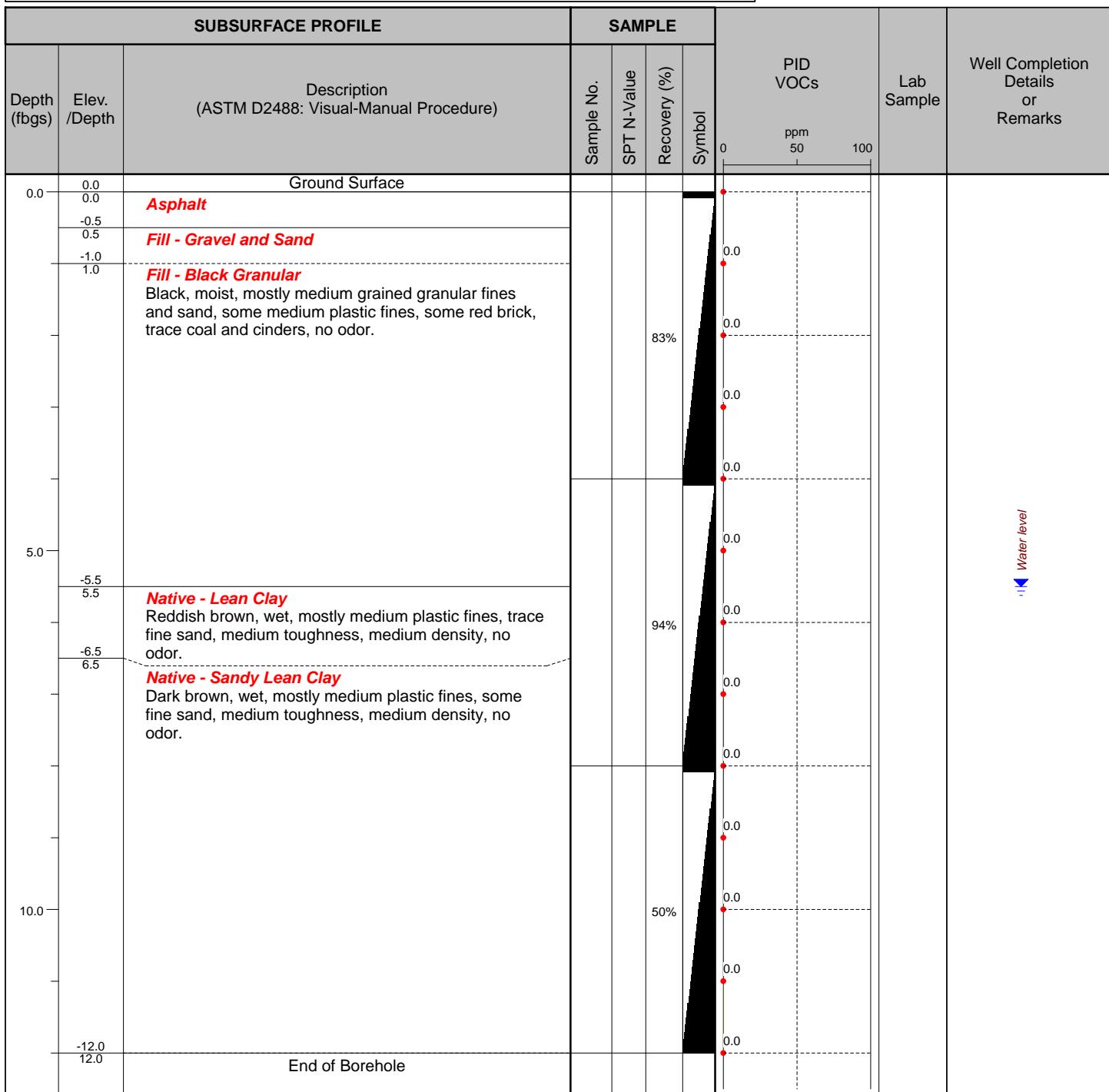
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Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-2

Project: Phase II

A.K.A.: SP SB-2W

Client: Buffalo Riverworks LLC

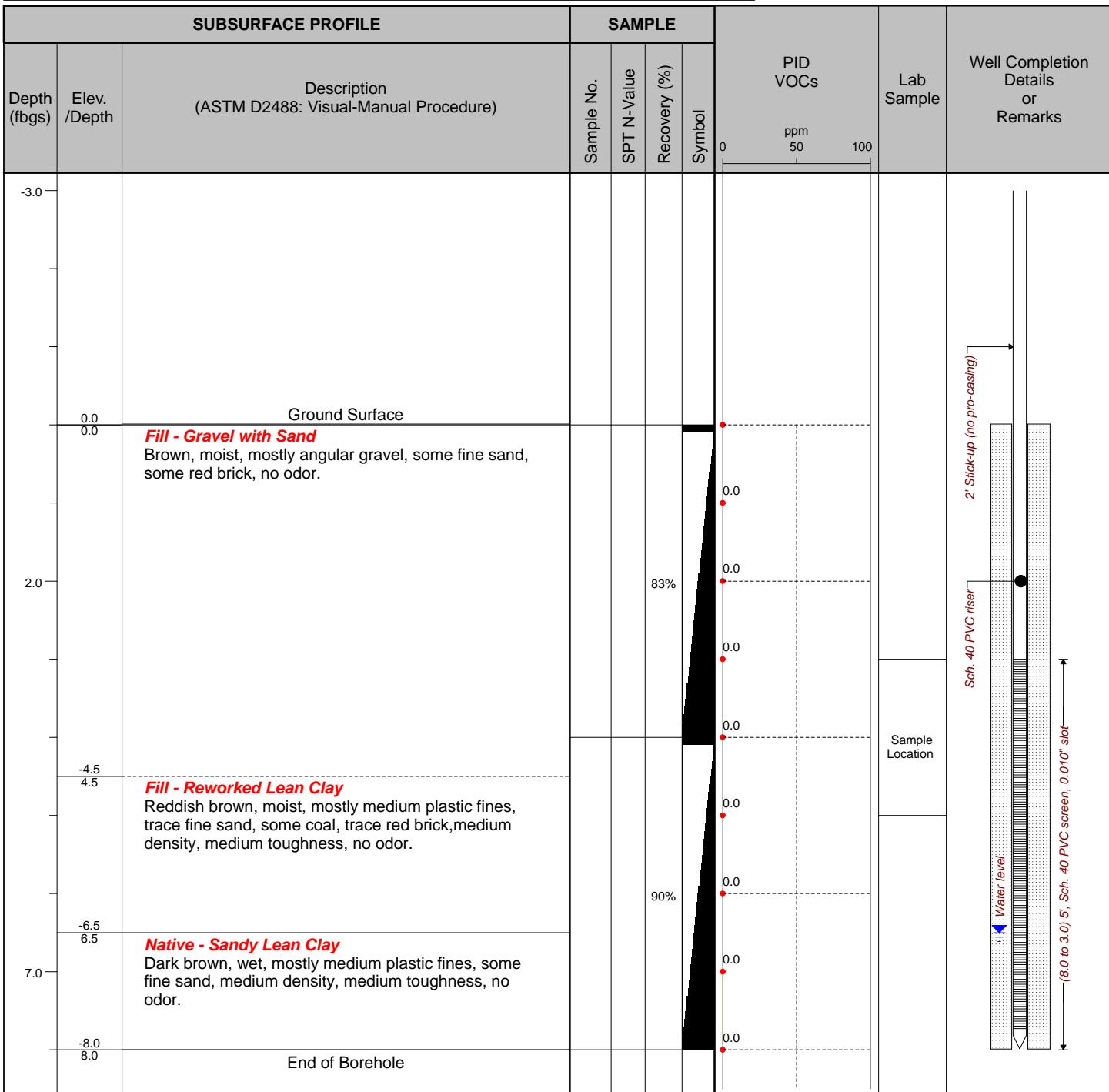
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Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up: 2'

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-3

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

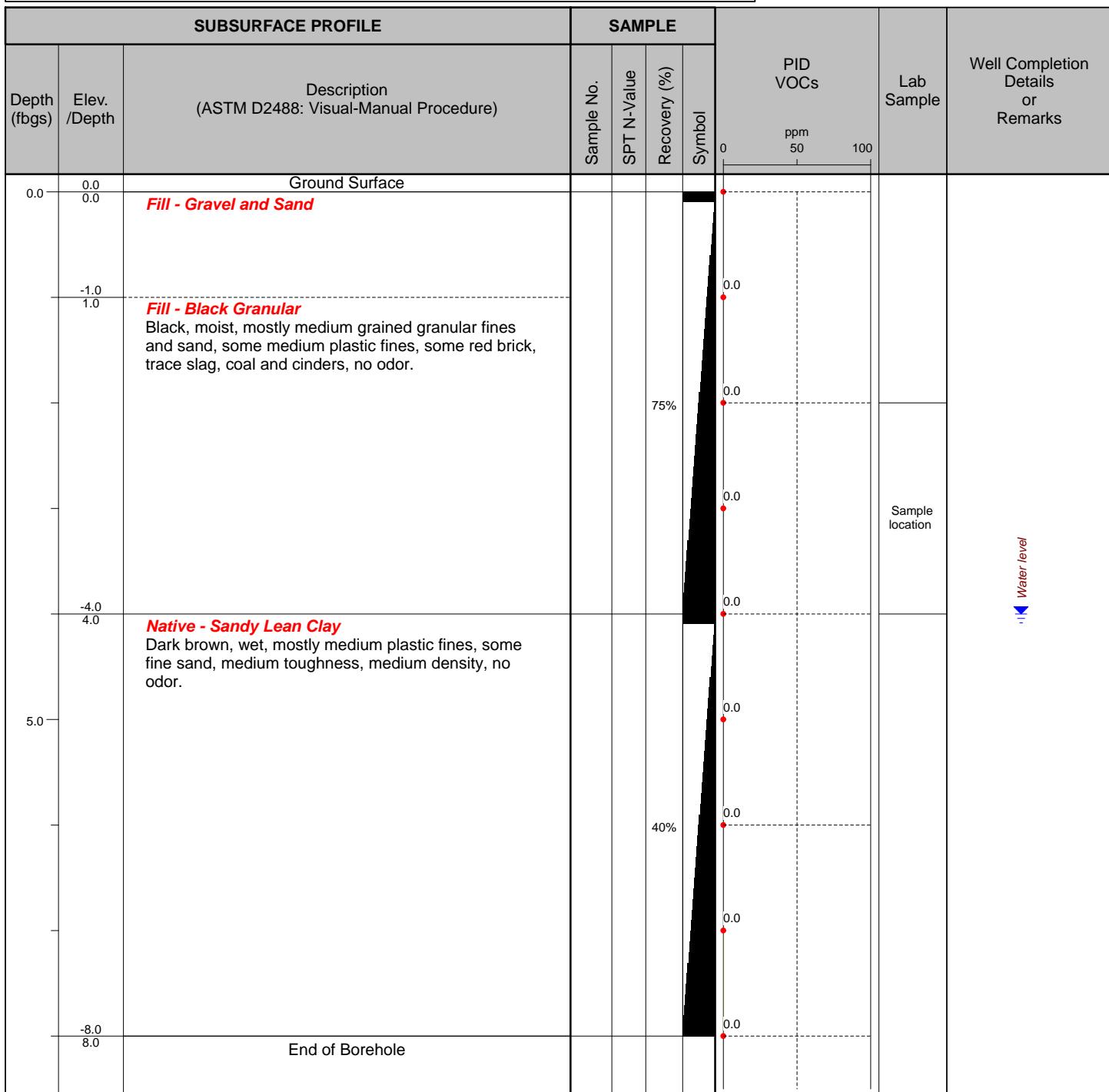
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Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-4

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

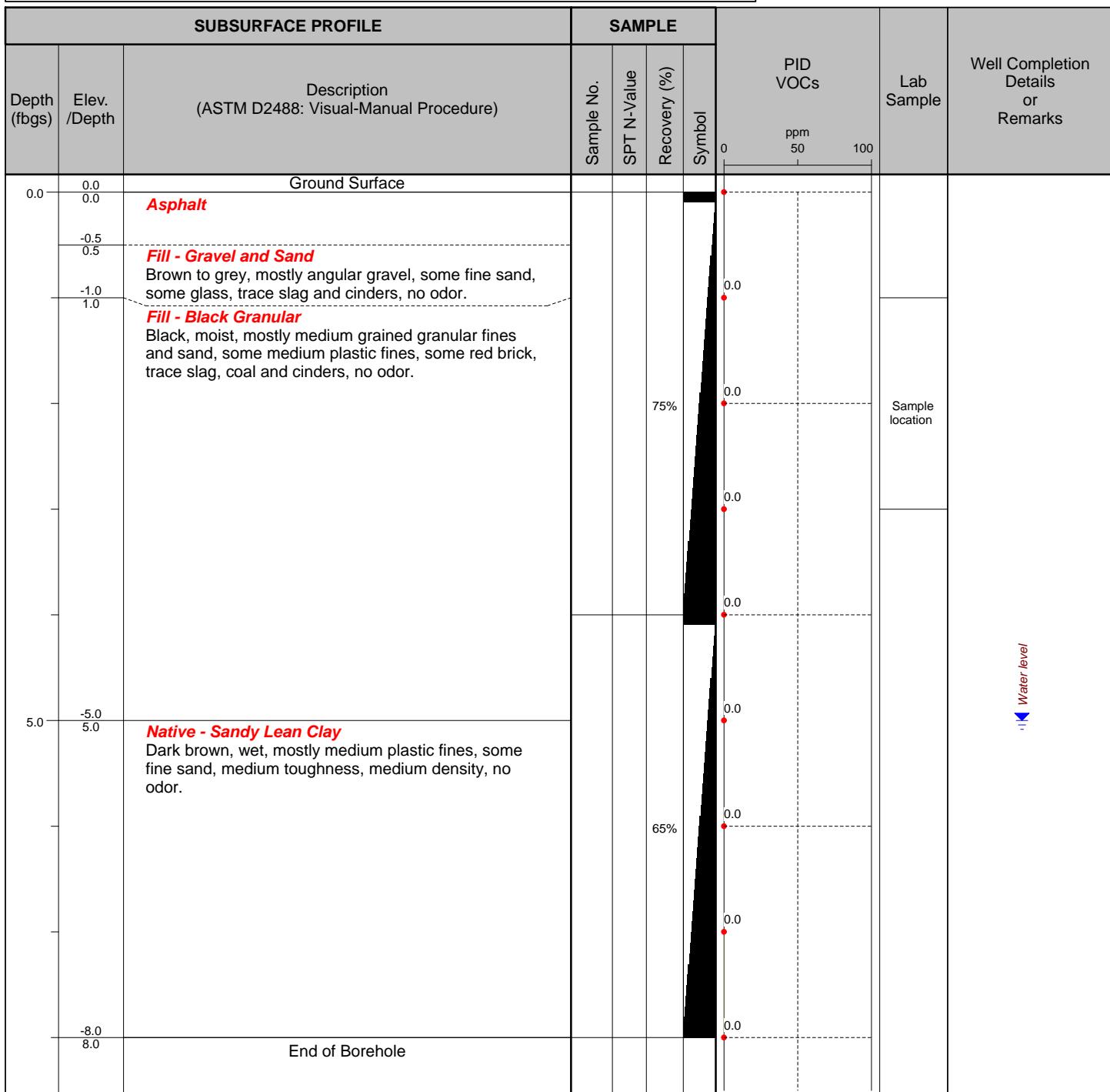
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Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-5

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

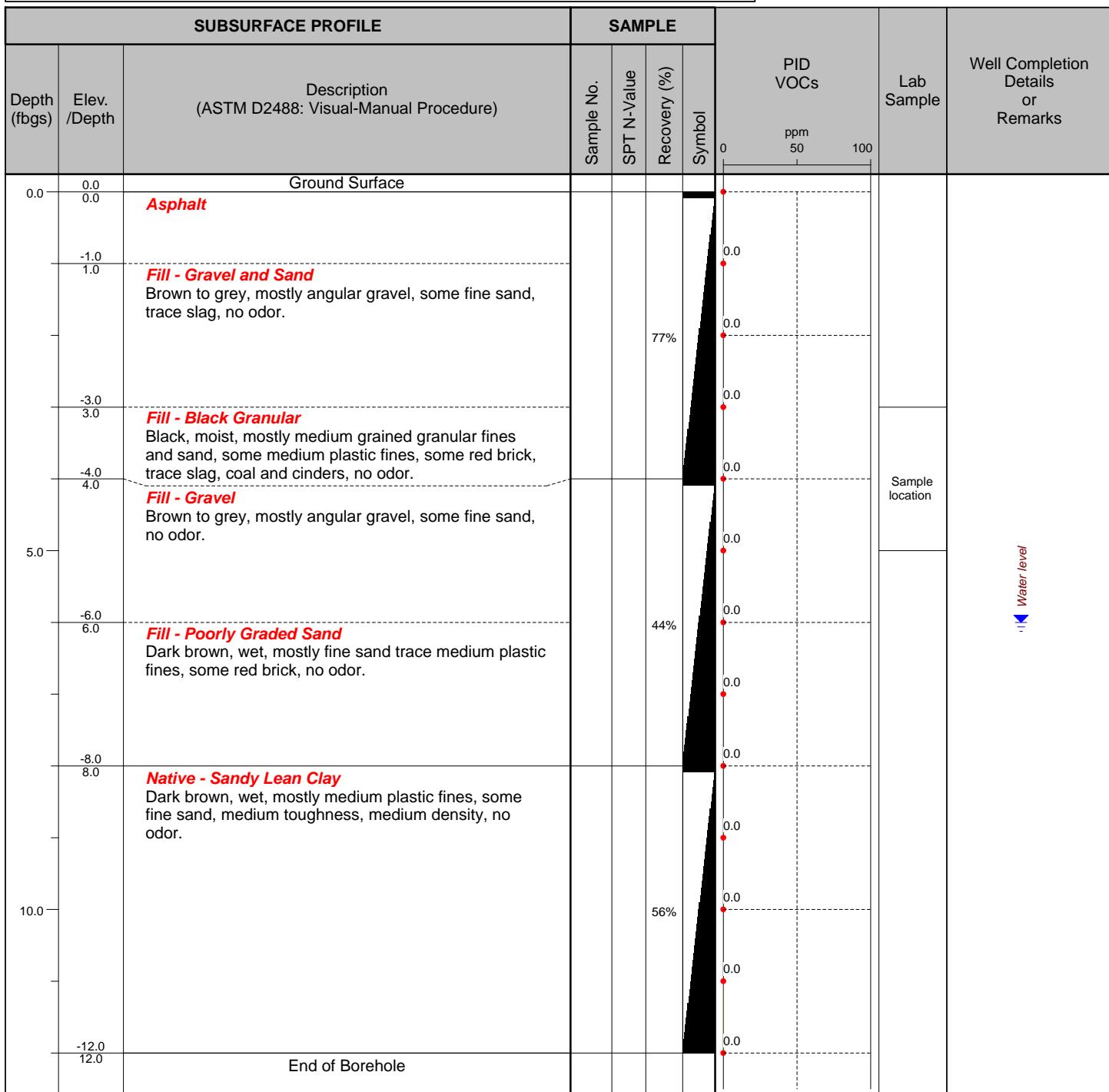
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Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-6

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

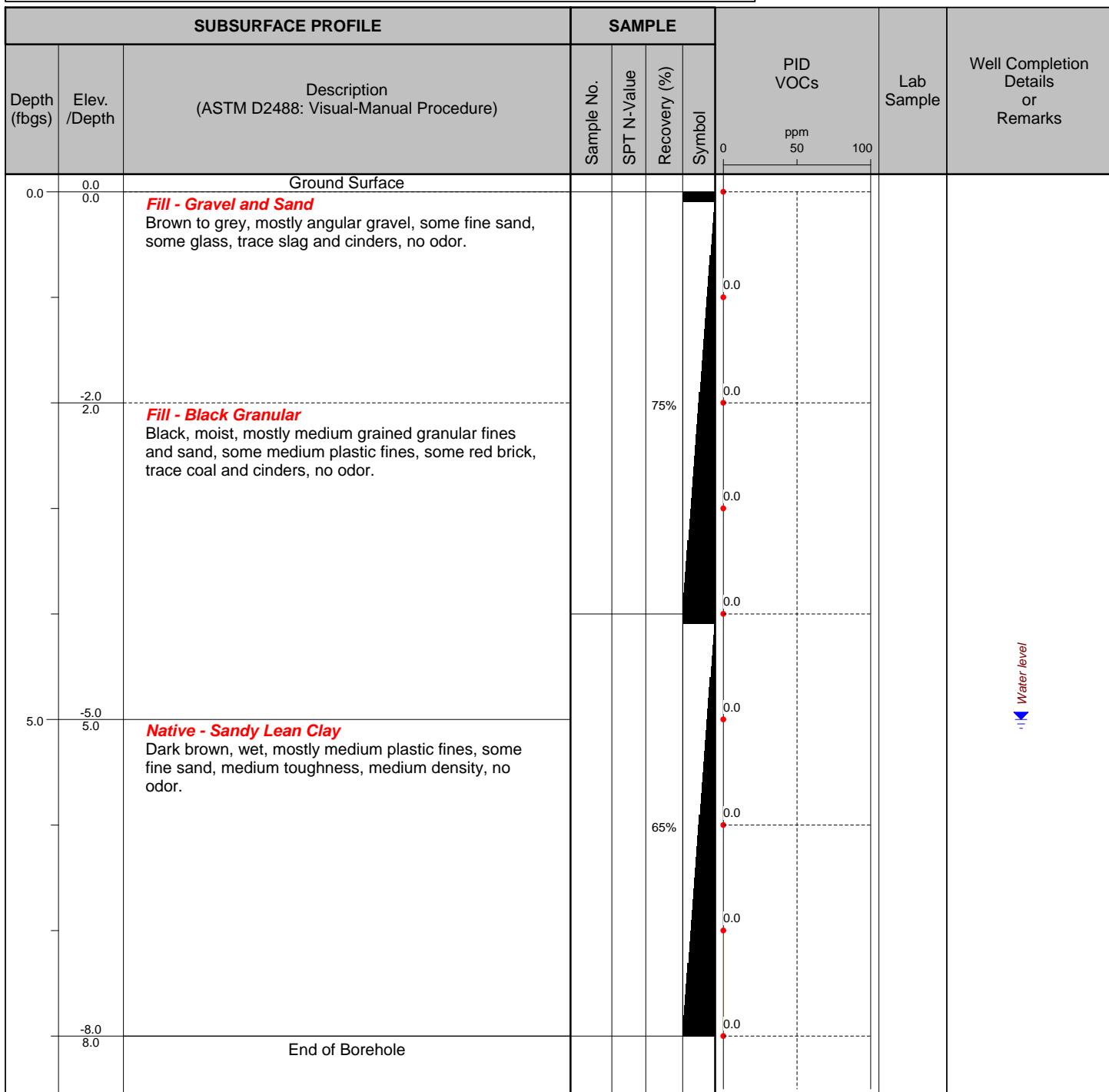
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Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-7

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

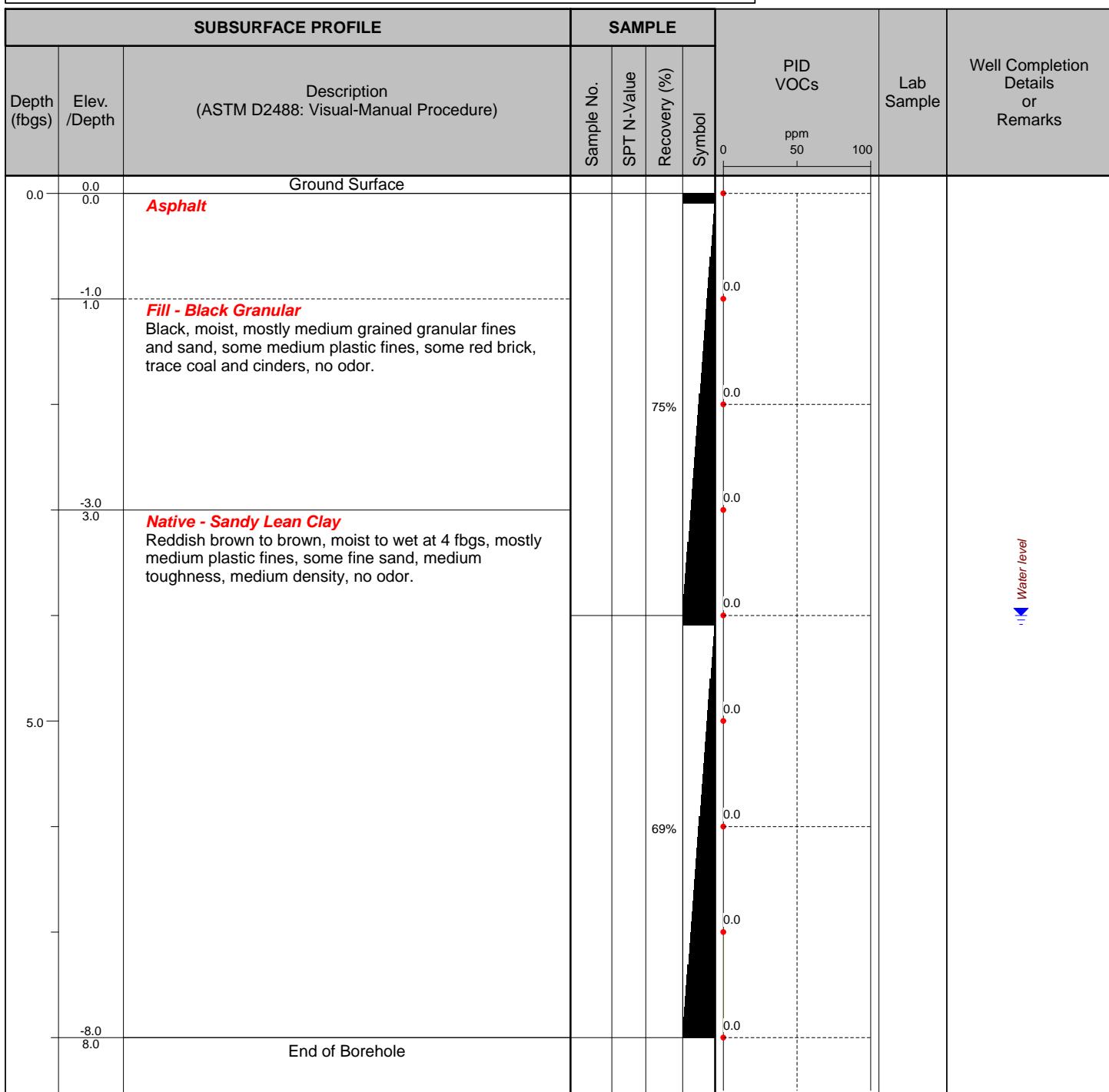
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Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-8

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

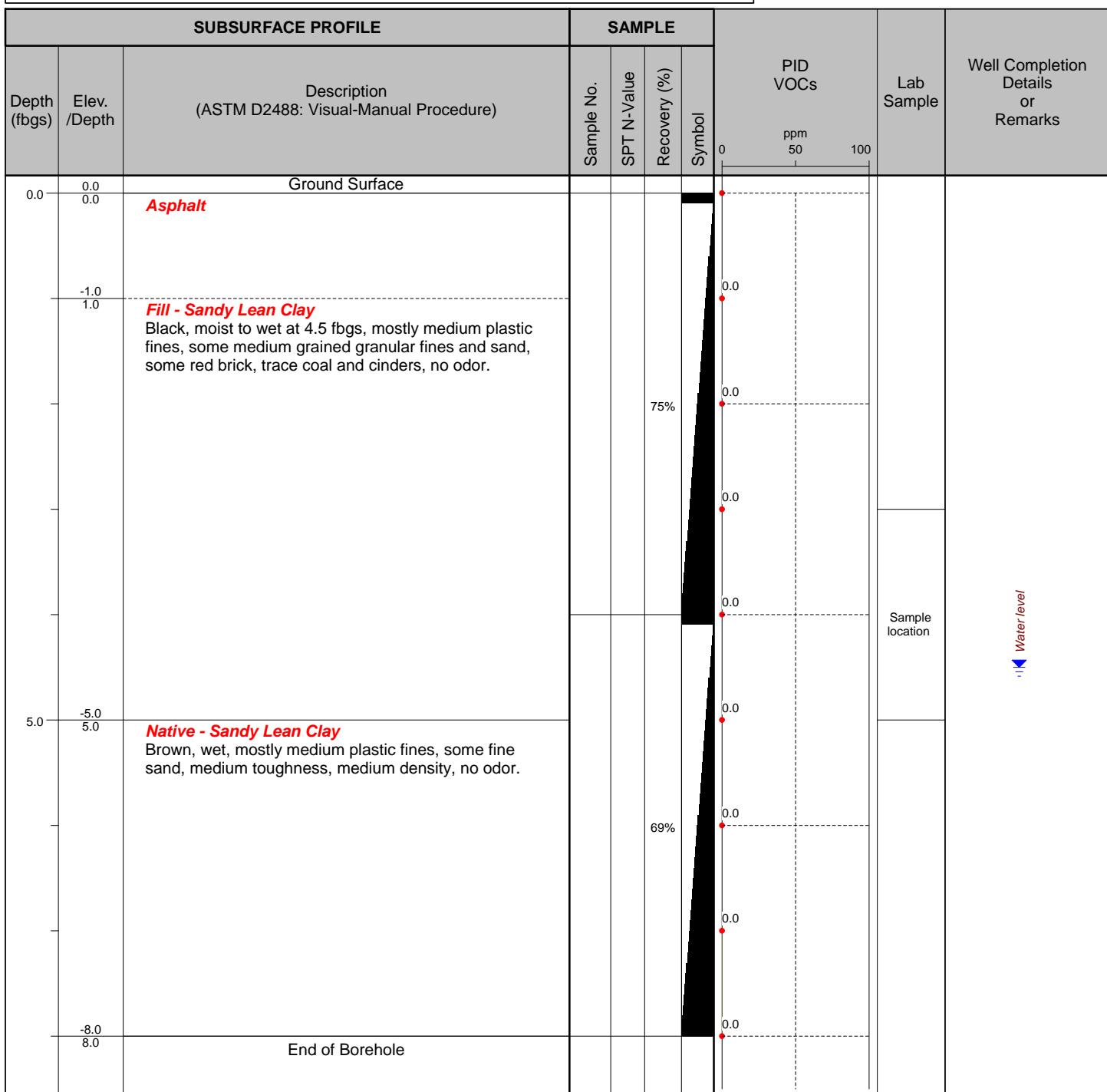
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Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-9

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

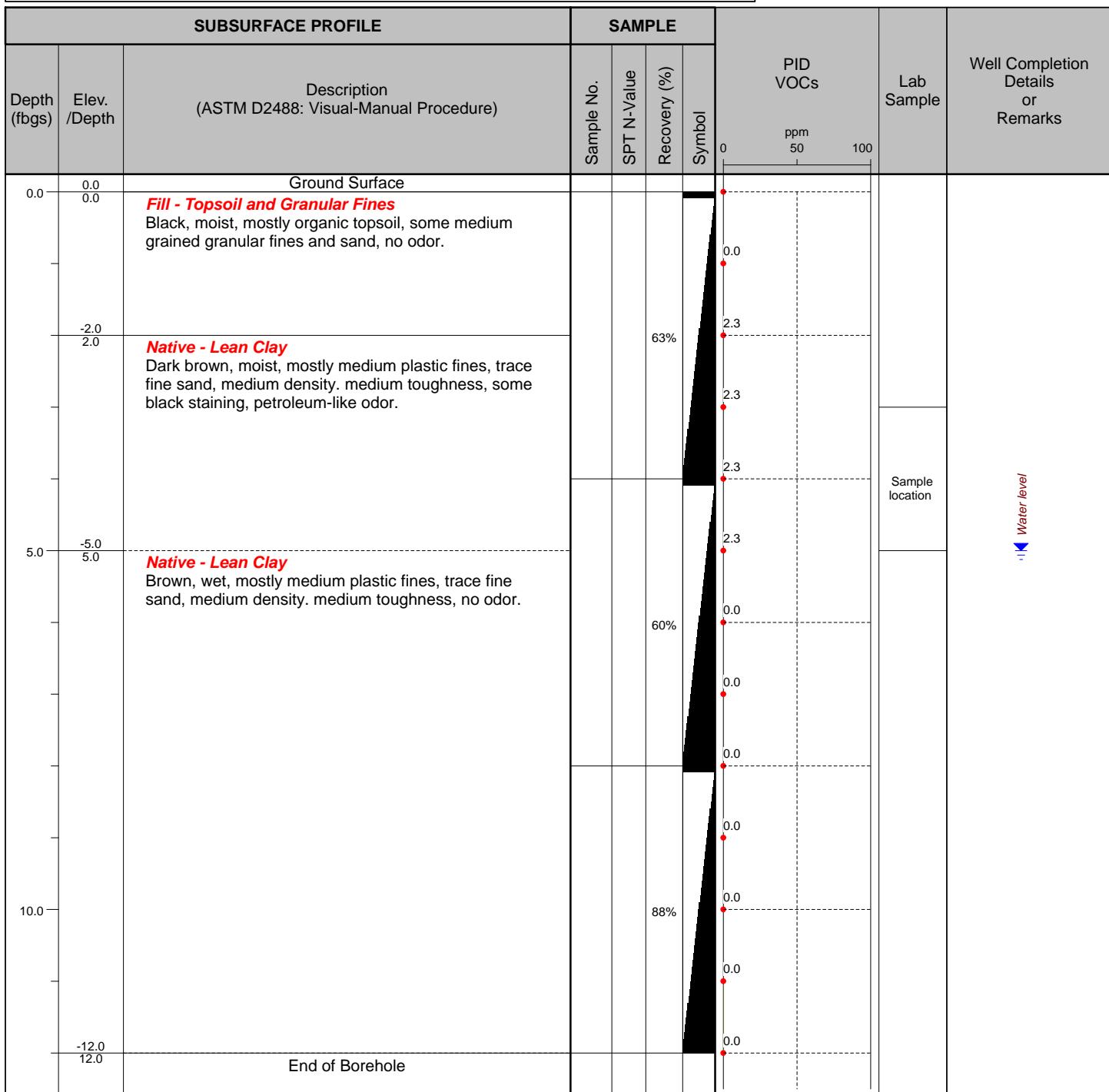
Logged By: CMS

Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599



Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 2/27/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

**PHASE II ENVIRONMENTAL INVESTIGATION REPORT
NORTHERN PROPERTY - 389 AND 395 GANSON STREET
SOUTHERN PROPERTY - 305, 323, 339 GANSON STREET**

APPENDIX B

PHOTO LOG

SITE PHOTOGRAPHS SOUTHERN PROPERTY

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1: View of soil/fill encountered at SP SB-2.

Photo 2: View of soil/fill encountered at SP SB-3.

Photo 3: View of the location of SP SB-4 – facing northeast

Photo 4: View of soil/fill encountered at SP SB-4.

Ganson Street Parcels
Northern Property – 389 and 395 Ganson Street
Southern Property 305, 323, 339 Ganson Street

Photo Date: February 27 and February 28, 2019



SITE PHOTOGRAPHS SOUTHERN PROPERTY

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: View of the location of SP SB-5 – facing southwest

Photo 6: View of soil/fill encountered at SP SB-5.

Photo 7: View of the location of SP SB-8 – facing east

Photo 8: View of the soil/fill encountered at SP SB-8.

Ganson Street Parcels
Northern Property – 389 and 395 Ganson Street
Southern Property 305, 323, 339 Ganson Street

Photo Date: February 27 and February 28, 2019



SITE PHOTOGRAPHS NORTHERN PROPERTY

Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9: View of the location of NP SB-3 – facing east

Photo 10: View of typical soils with black staining and odors encountered at NP SB-3.

Photo 11: View of the location of NP SB-4 – facing west

Photo 12: View of soil/fill encountered at NP SB-4.

Ganson Street Parcels
Northern Property – 389 and 395 Ganson Street
Southern Property 305, 323, 339 Ganson Street

Photo Date: February 27 and February 28, 2019



SITE PHOTOGRAPHS NORTHERN PROPERTY

Photo 13:



Photo 14:



Photo 15:



Photo 13: View of soil/fill encountered at NP SB-5.

Photo 14: View of the location of NP SB-9 – facing southeast

Photo 15: View of soil/fill encountered at NP SB-9

Ganson Street Parcels
Northern Property – 389 and 395 Ganson Street
Southern Property 305, 323, 339 Ganson Street

Photo Date: February 27 and February 28, 2019



APPENDIX C

LABORATORY ANALYTICAL DATA SUMMARY PACKAGE



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-149711-1

Client Project/Site: Benchmark - 395 Ganson St.

For:

Benchmark Env. Eng. & Science, PLLC

2558 Hamburg Turnpike

Lackawanna, New York 14218

Attn: Bryan Mayback

Authorized for release by:

3/11/2019 11:28:59 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

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.

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Definitions/Glossary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

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. |
| B | Compound was found in the blank and sample. |

GC/MS 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. |
| X | Surrogate is outside control limits |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|-------------------------------------|
| X | Surrogate is outside control limits |

Metals

| 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. |

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

| | |
|----------------|---|
| □ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Job ID: 480-149711-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-149711-1

Comments

No additional comments.

Receipt

The samples were received on 3/1/2019 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC/MS VOA

Method(s) 8260C: The following samples were analyzed using medium level soil analysis and diluted due to the nature of the sample matrix: SB-3 (8-12) (480-149711-1) and SB-3 (16-20) (480-149711-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The method blank for batch 461670 contained Methylene Chloride above the reporting limit (RL). This compound is considered a common laboratory contaminant. The associated samples were not re-extracted and/or re-analyzed because the concentration of the common lab contaminant in the samples was below the reporting limit (RL). The following samples are impacted: SB-3 (8-12) (480-149711-1) and SB-3 (16-20) (480-149711-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to color and, viscosity: SB-4 (1-3) (480-149711-3), SB-5 (3-5) (480-149711-4) and SB-9 (3-5) (480-149711-5). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: SB-4 (1-3) (480-149711-3) and SB-5 (3-5) (480-149711-4). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples required a dilution due to the nature of the sample matrix: SB-4 (1-3) (480-149711-3) and SB-5 (3-5) (480-149711-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8082A: The following samples are associated with a continuing calibration verification (CCV 480-461785/5) that had recoveries for the surrogate Decachlorobiphenyl that were below acceptance limits: SB-3 (8-12) (480-149711-1), SB-3 (16-20) (480-149711-2), SB-4 (1-3) (480-149711-3) and SB-5 (3-5) (480-149711-4). The secondary surrogate Tetrachloro-m-xylene is within limits. Therefore, the data has been reported.

Method(s) 8082A: Surrogate recovery for the following samples were outside control limits: SB-3 (8-12) (480-149711-1), SB-3 (16-20) (480-149711-2), SB-4 (1-3) (480-149711-3) and SB-5 (3-5) (480-149711-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: Due to the matrix, the following samples could not be concentrated to the final method required volume: SB-4 (1-3) (480-149711-3) and SB-5 (3-5) (480-149711-4). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-3 (8-12)

Lab Sample ID: 480-149711-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|-------|---------|---|--------|-----------|
| 1,2,4-Trimethylbenzene | 88 | J | 310 | 85 | ug/Kg | 2 | ⊗ | 8260C | Total/NA |
| Chlorobenzene | 230 | J | 310 | 40 | ug/Kg | 2 | ⊗ | 8260C | Total/NA |
| Methylene Chloride | 110 | J B | 310 | 61 | ug/Kg | 2 | ⊗ | 8260C | Total/NA |
| o-Xylene | 73 | J | 310 | 40 | ug/Kg | 2 | ⊗ | 8260C | Total/NA |
| Acenaphthene | 990 | | 630 | 93 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Anthracene | 1000 | | 630 | 160 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Benzo[a]anthracene | 890 | | 630 | 63 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Benzo[a]pyrene | 680 | | 630 | 93 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 830 | | 630 | 100 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 350 | J | 630 | 67 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Benzo[k]fluoranthene | 270 | J | 630 | 82 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Chrysene | 760 | | 630 | 140 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Fluoranthene | 2300 | | 630 | 67 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Fluorene | 1600 | | 630 | 74 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 350 | J | 630 | 78 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Naphthalene | 120 | J | 630 | 82 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Pyrene | 1700 | | 630 | 74 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Phenanthrene | 2800 | | 630 | 93 | ug/Kg | 1 | ⊗ | 8270D | Total/NA |
| Arsenic | 15.1 | | 2.7 | 0.54 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 96.1 | | 0.68 | 0.15 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.74 | | 0.27 | 0.041 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 49.5 | | 0.68 | 0.27 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 130 | | 1.4 | 0.33 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Mercury | 2.4 | | 0.13 | 0.052 | mg/Kg | 5 | ⊗ | 7471B | Total/NA |

Client Sample ID: SB-3 (16-20)

Lab Sample ID: 480-149711-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-----|-------|---------|---|--------|-----------|
| 1,2,4-Trimethylbenzene | 910 | J | 1200 | 340 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| 1,3-Dichlorobenzene | 470 | J | 1200 | 330 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 3800 | | 1200 | 170 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| Chlorobenzene | 2200 | | 1200 | 160 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| Cyclohexane | 490 | J | 1200 | 270 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| Isopropylbenzene | 570 | J | 1200 | 180 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| Methylcyclohexane | 2000 | | 1200 | 580 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| Methylene Chloride | 450 | J B | 1200 | 240 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| n-Butylbenzene | 1300 | | 1200 | 360 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| o-Xylene | 890 | J | 1200 | 160 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| sec-Butylbenzene | 750 | J | 1200 | 450 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |
| Xylenes, Total | 890 | J | 2500 | 680 | ug/Kg | 8 | ⊗ | 8260C | Total/NA |

Client Sample ID: SB-4 (1-3)

Lab Sample ID: 480-149711-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-------|-------|---------|---|--------|-----------|
| Arsenic | 17.0 | | 2.4 | 0.47 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 137 | | 0.59 | 0.13 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.49 | | 0.24 | 0.035 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 10.3 | | 0.59 | 0.24 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 137 | | 1.2 | 0.28 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Selenium | 0.97 | J | 4.7 | 0.47 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-4 (1-3) (Continued)

Lab Sample ID: 480-149711-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Mercury | 0.25 | | 0.023 | 0.0093 | mg/Kg | 1 | ⊗ | 7471B | Total/NA |

Client Sample ID: SB-5 (3-5)

Lab Sample ID: 480-149711-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Acenaphthylene | 6200 | J | 10000 | 1300 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Anthracene | 11000 | | 10000 | 2500 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[a]anthracene | 14000 | | 10000 | 1000 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[a]pyrene | 12000 | | 10000 | 1500 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 15000 | | 10000 | 1600 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 6800 | J | 10000 | 1100 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[k]fluoranthene | 5500 | J | 10000 | 1300 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Chrysene | 13000 | | 10000 | 2200 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Fluoranthene | 37000 | | 10000 | 1100 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Fluorene | 14000 | | 10000 | 1200 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 7200 | J | 10000 | 1200 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Naphthalene | 9500 | J | 10000 | 1300 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Pyrene | 26000 | | 10000 | 1200 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Phenanthrene | 48000 | | 10000 | 1500 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Arsenic | 5.6 | | 2.3 | 0.46 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 92.4 | | 0.58 | 0.13 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.37 | | 0.23 | 0.035 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 14.7 | | 0.58 | 0.23 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 57.9 | | 1.2 | 0.28 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Mercury | 0.12 | | 0.024 | 0.0098 | mg/Kg | 1 | ⊗ | 7471B | Total/NA |

Client Sample ID: SB-9 (3-5)

Lab Sample ID: 480-149711-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|-------|-------|-------|---------|---|--------|-----------|
| Benzo[a]anthracene | 210 | J | 1100 | 110 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[a]pyrene | 180 | J | 1100 | 160 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 240 | J | 1100 | 170 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 150 | J | 1100 | 110 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Fluoranthene | 370 | J | 1100 | 110 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Pyrene | 320 | J | 1100 | 120 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Phenanthrene | 390 | J | 1100 | 160 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Arsenic | 16.5 | | 2.5 | 0.50 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 240 | | 0.62 | 0.14 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.52 | | 0.25 | 0.037 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 22.5 | | 0.62 | 0.25 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 175 | | 1.2 | 0.30 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Silver | 0.76 | | 0.75 | 0.25 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Mercury | 1.8 | | 0.025 | 0.010 | mg/Kg | 1 | ⊗ | 7471B | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-3 (8-12)

Date Collected: 02/28/19 09:41

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-1

Matrix: Solid

Percent Solids: 73.8

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|----------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane | ND | | 310 | 85 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,1,2,2-Tetrachloroethane | ND | | 310 | 50 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 310 | 150 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,1,2-Trichloroethane | ND | | 310 | 64 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,1-Dichloroethane | ND | | 310 | 95 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,1-Dichloroethene | ND | | 310 | 110 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,2,4-Trichlorobenzene | ND | | 310 | 120 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,2,4-Trimethylbenzene | 88 J | | 310 | 85 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,2-Dibromo-3-Chloropropane | ND | | 310 | 150 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,2-Dichlorobenzene | ND | | 310 | 78 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,2-Dichloroethane | ND | | 310 | 130 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,2-Dichloropropane | ND | | 310 | 50 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,3,5-Trimethylbenzene | ND | | 310 | 93 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,3-Dichlorobenzene | ND | | 310 | 82 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,4-Dichlorobenzene | ND | | 310 | 43 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 2-Butanone (MEK) | ND | | 1500 | 910 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 2-Hexanone | ND | | 1500 | 630 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 4-Isopropyltoluene | ND | | 310 | 100 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 1500 | 98 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Acetone | ND | | 1500 | 1300 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Benzene | ND | | 310 | 58 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Bromoform | ND | | 310 | 150 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Bromomethane | ND | | 310 | 67 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Carbon disulfide | ND | | 310 | 140 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Carbon tetrachloride | ND | | 310 | 78 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Chlorobenzene | 230 J | | 310 | 40 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Dibromochloromethane | ND | | 310 | 150 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Chloroethane | ND | | 310 | 64 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Chloroform | ND | | 310 | 210 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Chloromethane | ND | | 310 | 73 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| cis-1,2-Dichloroethene | ND | | 310 | 85 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Cyclohexane | ND | | 310 | 68 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Bromodichloromethane | ND | | 310 | 61 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Dichlorodifluoromethane | ND | | 310 | 130 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Ethylbenzene | ND | | 310 | 89 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 1,2-Dibromoethane | ND | | 310 | 54 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Isopropylbenzene | ND | | 310 | 46 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Methyl acetate | ND | | 1500 | 150 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Methyl tert-butyl ether | ND | | 310 | 120 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Methylcyclohexane | ND | | 310 | 140 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Methylene Chloride | 110 J B | | 310 | 61 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| m,p-Xylene | ND | | 610 | 170 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| n-Butylbenzene | ND | | 310 | 89 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| N-Propylbenzene | ND | | 310 | 80 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| o-Xylene | 73 J | | 310 | 40 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| sec-Butylbenzene | ND | | 310 | 110 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Tetrachloroethene | ND | | 310 | 41 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Toluene | ND | | 310 | 82 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| trans-1,2-Dichloroethene | ND | | 310 | 72 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-3 (8-12)

Date Collected: 02/28/19 09:41

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-1

Matrix: Solid

Percent Solids: 73.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| trans-1,3-Dichloropropene | ND | | 310 | 30 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Trichloroethene | ND | | 310 | 85 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Trichlorofluoromethane | ND | | 310 | 140 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Vinyl chloride | ND | | 310 | 100 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Xylenes, Total | ND | | 610 | 170 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| cis-1,3-Dichloropropene | ND | | 310 | 73 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Styrene | ND | | 310 | 74 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| tert-Butylbenzene | ND | | 310 | 85 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | | 53 - 146 | | | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| 4-Bromofluorobenzene (Surr) | 99 | | | 49 - 148 | | | 03/05/19 12:58 | 03/06/19 03:32 | 2 |
| Toluene-d8 (Surr) | 103 | | | 50 - 149 | | | 03/05/19 12:58 | 03/06/19 03:32 | 2 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 990 | | 630 | 93 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Acenaphthylene | ND | | 630 | 82 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Anthracene | 1000 | | 630 | 160 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Benz[a]anthracene | 890 | | 630 | 63 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Benz[a]pyrene | 680 | | 630 | 93 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Benz[b]fluoranthene | 830 | | 630 | 100 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Benz[g,h,i]perylene | 350 J | | 630 | 67 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Benz[k]fluoranthene | 270 J | | 630 | 82 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Chrysene | 760 | | 630 | 140 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Dibenz(a,h)anthracene | ND | | 630 | 110 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Fluoranthene | 2300 | | 630 | 67 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Fluorene | 1600 | | 630 | 74 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Indeno[1,2,3-cd]pyrene | 350 J | | 630 | 78 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Naphthalene | 120 J | | 630 | 82 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Pyrene | 1700 | | 630 | 74 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Phenanthrene | 2800 | | 630 | 93 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 103 | | | 54 - 120 | | | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| 2-Fluorobiphenyl | 93 | | | 60 - 120 | | | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| 2-Fluorophenol (Surr) | 85 | | | 52 - 120 | | | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Phenol-d5 (Surr) | 84 | | | 54 - 120 | | | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| p-Terphenyl-d14 (Surr) | 106 | | | 65 - 121 | | | 03/05/19 14:35 | 03/07/19 07:17 | 1 |
| Nitrobenzene-d5 (Surr) | 94 | | | 53 - 120 | | | 03/05/19 14:35 | 03/07/19 07:17 | 1 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND | | 0.32 | 0.063 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 17:45 | 1 |
| PCB-1221 | ND | | 0.32 | 0.063 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 17:45 | 1 |
| PCB-1232 | ND | | 0.32 | 0.063 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 17:45 | 1 |
| PCB-1242 | ND | | 0.32 | 0.063 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 17:45 | 1 |
| PCB-1248 | ND | | 0.32 | 0.063 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 17:45 | 1 |
| PCB-1254 | ND | | 0.32 | 0.15 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 17:45 | 1 |
| PCB-1260 | ND | | 0.32 | 0.15 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 17:45 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-3 (8-12)

Date Collected: 02/28/19 09:41

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-1

Matrix: Solid

Percent Solids: 73.8

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 63 | | 60 - 154 | 03/05/19 14:43 | 03/06/19 17:45 | 1 |
| DCB Decachlorobiphenyl | 62 | X | 65 - 174 | 03/05/19 14:43 | 03/06/19 17:45 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 15.1 | | 2.7 | 0.54 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:37 | 1 |
| Barium | 96.1 | | 0.68 | 0.15 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:37 | 1 |
| Cadmium | 0.74 | | 0.27 | 0.041 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:37 | 1 |
| Chromium | 49.5 | | 0.68 | 0.27 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:37 | 1 |
| Lead | 130 | | 1.4 | 0.33 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:37 | 1 |
| Selenium | ND | | 5.4 | 0.54 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:37 | 1 |
| Silver | ND | | 0.82 | 0.27 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:37 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 2.4 | | 0.13 | 0.052 | mg/Kg | ⊗ | 03/06/19 13:06 | 03/06/19 17:12 | 5 |

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-3 (16-20)

Date Collected: 02/28/19 09:42

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-2

Matrix: Solid

Percent Solids: 73.5

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|----------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane | ND | | 1200 | 340 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,1,2,2-Tetrachloroethane | ND | | 1200 | 200 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1200 | 610 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,1,2-Trichloroethane | ND | | 1200 | 260 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,1-Dichloroethane | ND | | 1200 | 380 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,1-Dichloroethene | ND | | 1200 | 430 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,2,4-Trichlorobenzene | ND | | 1200 | 470 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,2,4-Trimethylbenzene | 910 J | | 1200 | 340 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1200 | 610 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,2-Dichlorobenzene | ND | | 1200 | 310 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,2-Dichloroethane | ND | | 1200 | 500 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,2-Dichloropropane | ND | | 1200 | 200 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,3,5-Trimethylbenzene | ND | | 1200 | 370 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,3-Dichlorobenzene | 470 J | | 1200 | 330 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,4-Dichlorobenzene | 3800 | | 1200 | 170 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 2-Butanone (MEK) | ND | | 6100 | 3700 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 2-Hexanone | ND | | 6100 | 2500 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 4-Isopropyltoluene | ND | | 1200 | 410 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 6100 | 390 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Acetone | ND | | 6100 | 5100 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Benzene | ND | | 1200 | 230 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Bromoform | ND | | 1200 | 610 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Bromomethane | ND | | 1200 | 270 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Carbon disulfide | ND | | 1200 | 560 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Carbon tetrachloride | ND | | 1200 | 310 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Chlorobenzene | 2200 | | 1200 | 160 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Dibromochloromethane | ND | | 1200 | 600 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Chloroethane | ND | | 1200 | 260 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Chloroform | ND | | 1200 | 840 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Chloromethane | ND | | 1200 | 290 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| cis-1,2-Dichloroethene | ND | | 1200 | 340 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Cyclohexane | 490 J | | 1200 | 270 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Bromodichloromethane | ND | | 1200 | 250 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Dichlorodifluoromethane | ND | | 1200 | 540 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Ethylbenzene | ND | | 1200 | 360 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 1,2-Dibromoethane | ND | | 1200 | 220 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Isopropylbenzene | 570 J | | 1200 | 180 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Methyl acetate | ND | | 6100 | 590 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Methyl tert-butyl ether | ND | | 1200 | 460 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Methylcyclohexane | 2000 | | 1200 | 580 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Methylene Chloride | 450 J B | | 1200 | 240 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| m,p-Xylene | ND | | 2500 | 680 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| n-Butylbenzene | 1300 | | 1200 | 360 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| N-Propylbenzene | ND | | 1200 | 320 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| o-Xylene | 890 J | | 1200 | 160 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| sec-Butylbenzene | 750 J | | 1200 | 450 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Tetrachloroethene | ND | | 1200 | 170 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Toluene | ND | | 1200 | 330 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| trans-1,2-Dichloroethene | ND | | 1200 | 290 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-3 (16-20)

Date Collected: 02/28/19 09:42

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-2

Matrix: Solid

Percent Solids: 73.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|------|---------------|-------|---|-----------------|-----------------|----------------|
| trans-1,3-Dichloropropene | ND | | 1200 | 120 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Trichloroethene | ND | | 1200 | 340 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Trichlorofluoromethane | ND | | 1200 | 580 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Vinyl chloride | ND | | 1200 | 410 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Xylenes, Total | 890 | J | 2500 | 680 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| cis-1,3-Dichloropropene | ND | | 1200 | 290 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Styrene | ND | | 1200 | 300 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| tert-Butylbenzene | ND | | 1200 | 340 | ug/Kg | ⊗ | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Surrogate | %Recovery | Qualifier | | Limits | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | | 53 - 146 | | | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| 4-Bromofluorobenzene (Surr) | 95 | | | 49 - 148 | | | 03/05/19 12:58 | 03/06/19 04:00 | 8 |
| Toluene-d8 (Surr) | 100 | | | 50 - 149 | | | 03/05/19 12:58 | 03/06/19 04:00 | 8 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|------|---------------|-------|---|-----------------|-----------------|----------------|
| PCB-1016 | ND | | 0.24 | 0.047 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:01 | 1 |
| PCB-1221 | ND | | 0.24 | 0.047 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:01 | 1 |
| PCB-1232 | ND | | 0.24 | 0.047 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:01 | 1 |
| PCB-1242 | ND | | 0.24 | 0.047 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:01 | 1 |
| PCB-1248 | ND | | 0.24 | 0.047 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:01 | 1 |
| PCB-1254 | ND | | 0.24 | 0.11 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:01 | 1 |
| PCB-1260 | ND | | 0.24 | 0.11 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:01 | 1 |
| Surrogate | %Recovery | Qualifier | | Limits | | | Prepared | Analyzed | Dil Fac |
| Tetrachloro-m-xylene | 35 | X | | 60 - 154 | | | 03/05/19 14:43 | 03/06/19 18:01 | 1 |
| DCB Decachlorobiphenyl | 33 | X | | 65 - 174 | | | 03/05/19 14:43 | 03/06/19 18:01 | 1 |

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-4 (1-3)

Date Collected: 02/28/19 12:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-3

Matrix: Solid

Percent Solids: 83.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Acenaphthene | ND | | 20000 | 3000 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Acenaphthylene | ND | | 20000 | 2600 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Anthracene | ND | | 20000 | 5100 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Benzo[a]anthracene | ND | | 20000 | 2000 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Benzo[a]pyrene | ND | | 20000 | 3000 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Benzo[b]fluoranthene | ND | | 20000 | 3200 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Benzo[g,h,i]perylene | ND | | 20000 | 2200 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Benzo[k]fluoranthene | ND | | 20000 | 2600 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Chrysene | ND | | 20000 | 4600 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Dibenz(a,h)anthracene | ND | | 20000 | 3600 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Fluoranthene | ND | | 20000 | 2200 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Fluorene | ND | | 20000 | 2400 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Indeno[1,2,3-cd]pyrene | ND | | 20000 | 2500 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Naphthalene | ND | | 20000 | 2600 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Pyrene | ND | | 20000 | 2400 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Phenanthrene | ND | | 20000 | 3000 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 0 | X | 54 - 120 | | | | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| 2-Fluorobiphenyl | 101 | | 60 - 120 | | | | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| 2-Fluorophenol (Surr) | 0 | X | 52 - 120 | | | | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Phenol-d5 (Surr) | 0 | X | 54 - 120 | | | | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| p-Terphenyl-d14 (Surr) | 0 | X | 65 - 121 | | | | 03/05/19 14:35 | 03/07/19 07:42 | 10 |
| Nitrobenzene-d5 (Surr) | 0 | X | 53 - 120 | | | | 03/05/19 14:35 | 03/07/19 07:42 | 10 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND | | 0.28 | 0.055 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:17 | 1 |
| PCB-1221 | ND | | 0.28 | 0.055 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:17 | 1 |
| PCB-1232 | ND | | 0.28 | 0.055 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:17 | 1 |
| PCB-1242 | ND | | 0.28 | 0.055 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:17 | 1 |
| PCB-1248 | ND | | 0.28 | 0.055 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:17 | 1 |
| PCB-1254 | ND | | 0.28 | 0.13 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:17 | 1 |
| PCB-1260 | ND | | 0.28 | 0.13 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Tetrachloro-m-xylene | 57 | X | 60 - 154 | | | | 03/05/19 14:43 | 03/06/19 18:17 | 1 |
| DCB Decachlorobiphenyl | 53 | X | 65 - 174 | | | | 03/05/19 14:43 | 03/06/19 18:17 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 17.0 | | 2.4 | 0.47 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:41 | 1 |
| Barium | 137 | | 0.59 | 0.13 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:41 | 1 |
| Cadmium | 0.49 | | 0.24 | 0.035 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:41 | 1 |
| Chromium | 10.3 | | 0.59 | 0.24 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:41 | 1 |
| Lead | 137 | | 1.2 | 0.28 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:41 | 1 |
| Selenium | 0.97 J | | 4.7 | 0.47 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:41 | 1 |
| Silver | ND | | 0.71 | 0.24 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:41 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-4 (1-3)

Date Collected: 02/28/19 12:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-3

Matrix: Solid

Percent Solids: 83.0

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.25 | | 0.023 | 0.0093 | mg/Kg | | 03/06/19 13:06 | 03/06/19 16:37 | 1 |

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-5 (3-5)

Date Collected: 02/28/19 13:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-4

Matrix: Solid

Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|------|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | ND | | 10000 | 1500 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Acenaphthylene | 6200 | J | 10000 | 1300 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Anthracene | 11000 | | 10000 | 2500 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Benzo[a]anthracene | 14000 | | 10000 | 1000 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Benzo[a]pyrene | 12000 | | 10000 | 1500 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Benzo[b]fluoranthene | 15000 | | 10000 | 1600 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Benzo[g,h,i]perylene | 6800 | J | 10000 | 1100 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Benzo[k]fluoranthene | 5500 | J | 10000 | 1300 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Chrysene | 13000 | | 10000 | 2200 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Dibenz(a,h)anthracene | ND | | 10000 | 1800 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Fluoranthene | 37000 | | 10000 | 1100 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Fluorene | 14000 | | 10000 | 1200 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Indeno[1,2,3-cd]pyrene | 7200 | J | 10000 | 1200 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Naphthalene | 9500 | J | 10000 | 1300 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Pyrene | 26000 | | 10000 | 1200 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Phenanthrene | 48000 | | 10000 | 1500 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 0 | X | 54 - 120 | | | | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| 2-Fluorobiphenyl | 101 | | 60 - 120 | | | | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| 2-Fluorophenol (Surr) | 78 | | 52 - 120 | | | | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Phenol-d5 (Surr) | 80 | | 54 - 120 | | | | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| p-Terphenyl-d14 (Surr) | 108 | | 65 - 121 | | | | 03/05/19 14:35 | 03/07/19 08:07 | 5 |
| Nitrobenzene-d5 (Surr) | 84 | | 53 - 120 | | | | 03/05/19 14:35 | 03/07/19 08:07 | 5 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-------|-------|---|-----------------|-----------------|----------------|
| PCB-1016 | ND | | 0.24 | 0.048 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:33 | 1 |
| PCB-1221 | ND | | 0.24 | 0.048 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:33 | 1 |
| PCB-1232 | ND | | 0.24 | 0.048 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:33 | 1 |
| PCB-1242 | ND | | 0.24 | 0.048 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:33 | 1 |
| PCB-1248 | ND | | 0.24 | 0.048 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:33 | 1 |
| PCB-1254 | ND | | 0.24 | 0.11 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:33 | 1 |
| PCB-1260 | ND | | 0.24 | 0.11 | mg/Kg | ⊗ | 03/05/19 14:43 | 03/06/19 18:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Tetrachloro-m-xylene | 64 | | 60 - 154 | | | | 03/05/19 14:43 | 03/06/19 18:33 | 1 |
| DCB Decachlorobiphenyl | 53 | X | 65 - 174 | | | | 03/05/19 14:43 | 03/06/19 18:33 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 5.6 | | 2.3 | 0.46 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:45 | 1 |
| Barium | 92.4 | | 0.58 | 0.13 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:45 | 1 |
| Cadmium | 0.37 | | 0.23 | 0.035 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:45 | 1 |
| Chromium | 14.7 | | 0.58 | 0.23 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:45 | 1 |
| Lead | 57.9 | | 1.2 | 0.28 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:45 | 1 |
| Selenium | ND | | 4.6 | 0.46 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:45 | 1 |
| Silver | ND | | 0.69 | 0.23 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:45 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-5 (3-5)

Date Collected: 02/28/19 13:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-4

Matrix: Solid

Percent Solids: 85.1

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.12 | | 0.024 | 0.0098 | mg/Kg | | 03/06/19 13:06 | 03/06/19 16:38 | 1 |

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-9 (3-5)

Date Collected: 02/28/19 15:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-5

Matrix: Solid

Percent Solids: 78.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|------------------|------------------|---------------|-------|-----------------|----------------|-----------------|----------------|
| Acenaphthene | ND | | 1100 | 160 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Acenaphthylene | ND | | 1100 | 140 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Anthracene | ND | | 1100 | 260 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Benzo[a]anthracene | 210 | J | 1100 | 110 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Benzo[a]pyrene | 180 | J | 1100 | 160 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Benzo[b]fluoranthene | 240 | J | 1100 | 170 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Benzo[g,h,i]perylene | 150 | J | 1100 | 110 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Benzo[k]fluoranthene | ND | | 1100 | 140 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Chrysene | ND | | 1100 | 240 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Dibenz(a,h)anthracene | ND | | 1100 | 190 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Fluoranthene | 370 | J | 1100 | 110 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Fluorene | ND | | 1100 | 120 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Indeno[1,2,3-cd]pyrene | ND | | 1100 | 130 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Naphthalene | ND | | 1100 | 140 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Pyrene | 320 | J | 1100 | 120 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Phenanthrene | 390 | J | 1100 | 160 | ug/Kg | ⊗ | 03/05/19 14:35 | 03/07/19 08:32 | 5 |
| Surrogate | | %Recovery | Qualifier | Limits | | Prepared | | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | | 96 | | 54 - 120 | | 03/05/19 14:35 | | 03/07/19 08:32 | 5 |
| 2-Fluorobiphenyl | | 96 | | 60 - 120 | | 03/05/19 14:35 | | 03/07/19 08:32 | 5 |
| 2-Fluorophenol (Surr) | | 80 | | 52 - 120 | | 03/05/19 14:35 | | 03/07/19 08:32 | 5 |
| Phenol-d5 (Surr) | | 83 | | 54 - 120 | | 03/05/19 14:35 | | 03/07/19 08:32 | 5 |
| p-Terphenyl-d14 (Surr) | | 107 | | 65 - 121 | | 03/05/19 14:35 | | 03/07/19 08:32 | 5 |
| Nitrobenzene-d5 (Surr) | | 88 | | 53 - 120 | | 03/05/19 14:35 | | 03/07/19 08:32 | 5 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 16.5 | | 2.5 | 0.50 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:49 | 1 |
| Barium | 240 | | 0.62 | 0.14 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:49 | 1 |
| Cadmium | 0.52 | | 0.25 | 0.037 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:49 | 1 |
| Chromium | 22.5 | | 0.62 | 0.25 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:49 | 1 |
| Lead | 175 | | 1.2 | 0.30 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:49 | 1 |
| Selenium | ND | | 5.0 | 0.50 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:49 | 1 |
| Silver | 0.76 | | 0.75 | 0.25 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:49 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|------------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 1.8 | | 0.025 | 0.010 | mg/Kg | ⊗ | 03/06/19 13:06 | 03/06/19 16:40 | 1 |

TestAmerica Buffalo

Surrogate Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|--------------------|--------------------|--|-----------------|-----------------|
| | | DCA (53-146) | BFB (49-148) | TOL (50-149) |
| 480-149711-1 | SB-3 (8-12) | 100 | 99 | 103 |
| 480-149711-2 | SB-3 (16-20) | 98 | 95 | 100 |
| LCS 480-461604/1-A | Lab Control Sample | 96 | 100 | 99 |
| MB 480-461604/2-A | Method Blank | 99 | 97 | 99 |

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|--------------------|--------------------|--|-----------------|-----------------|-----------------|--------------------|-----------------|
| | | TBP (54-120) | FBP (60-120) | 2FP (52-120) | PHL (54-120) | TPHd14 (65-121) | NBZ (53-120) |
| 480-149711-1 | SB-3 (8-12) | 103 | 93 | 85 | 84 | 106 | 94 |
| 480-149711-3 | SB-4 (1-3) | 0 X | 101 | 0 X | 0 X | 0 X | 0 X |
| 480-149711-4 | SB-5 (3-5) | 0 X | 101 | 78 | 80 | 108 | 84 |
| 480-149711-5 | SB-9 (3-5) | 96 | 96 | 80 | 83 | 107 | 88 |
| LCS 480-461631/2-A | Lab Control Sample | 98 | 88 | 77 | 76 | 102 | 90 |
| MB 480-461631/1-A | Method Blank | 78 | 90 | 82 | 85 | 106 | 93 |

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

NBZ = Nitrobenzene-d5 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | |
|--------------------|--------------------|--|-------------------|
| | | TCX2 (60-154) | DCBP2 (65-174) |
| 480-149711-1 | SB-3 (8-12) | 63 | 62 X |
| 480-149711-2 | SB-3 (16-20) | 35 X | 33 X |
| 480-149711-3 | SB-4 (1-3) | 57 X | 53 X |
| 480-149711-4 | SB-5 (3-5) | 64 | 53 X |
| LCS 480-461632/2-A | Lab Control Sample | 92 | 91 |
| MB 480-461632/1-A | Method Blank | 83 | 81 |

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-461604/2-A

Matrix: Solid

Analysis Batch: 461670

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461604

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------------|-----------------|-----|-----|-------|----------------|----------------|----------------|---------|
| 1,1,1-Trichloroethane | ND | | 100 | 28 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 100 | 16 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 100 | 50 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,1,2-Trichloroethane | ND | | 100 | 21 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,1-Dichloroethane | ND | | 100 | 31 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,1-Dichloroethene | ND | | 100 | 35 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 100 | 38 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 100 | 28 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 100 | 50 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,2-Dichlorobenzene | ND | | 100 | 26 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,2-Dichloroethane | ND | | 100 | 41 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,2-Dichloropropane | ND | | 100 | 16 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 100 | 30 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,3-Dichlorobenzene | ND | | 100 | 27 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,4-Dichlorobenzene | ND | | 100 | 14 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 2-Butanone (MEK) | ND | | 500 | 300 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 2-Hexanone | ND | | 500 | 210 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 4-Isopropyltoluene | ND | | 100 | 34 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 500 | 32 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Acetone | ND | | 500 | 410 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Benzene | ND | | 100 | 19 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Bromoform | ND | | 100 | 50 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Bromomethane | ND | | 100 | 22 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Carbon disulfide | ND | | 100 | 46 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Carbon tetrachloride | ND | | 100 | 26 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Chlorobenzene | ND | | 100 | 13 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Dibromochloromethane | ND | | 100 | 48 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Chloroethane | ND | | 100 | 21 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Chloroform | ND | | 100 | 69 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Chloromethane | ND | | 100 | 24 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| cis-1,2-Dichloroethene | ND | | 100 | 28 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Cyclohexane | ND | | 100 | 22 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Bromodichloromethane | ND | | 100 | 20 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Dichlorodifluoromethane | ND | | 100 | 44 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Ethylbenzene | ND | | 100 | 29 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| 1,2-Dibromoethane | ND | | 100 | 18 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Isopropylbenzene | ND | | 100 | 15 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Methyl acetate | ND | | 500 | 48 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Methyl tert-butyl ether | ND | | 100 | 38 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Methylcyclohexane | ND | | 100 | 47 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Methylene Chloride | 188 | | 100 | 20 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| m,p-Xylene | ND | | 200 | 55 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| n-Butylbenzene | ND | | 100 | 29 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| N-Propylbenzene | ND | | 100 | 26 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| o-Xylene | ND | | 100 | 13 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| sec-Butylbenzene | ND | | 100 | 37 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Tetrachloroethene | ND | | 100 | 13 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |
| Toluene | ND | | 100 | 27 | ug/Kg | 03/05/19 12:58 | 03/05/19 23:31 | 03/05/19 23:31 | 1 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-461604/2-A

Matrix: Solid

Analysis Batch: 461670

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461604

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | | | | 100 | 24 | ug/Kg | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| trans-1,3-Dichloropropene | ND | | | | 100 | 9.8 | ug/Kg | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| Trichloroethene | ND | | | | 100 | 28 | ug/Kg | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| Trichlorofluoromethane | ND | | | | 100 | 47 | ug/Kg | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| Vinyl chloride | ND | | | | 100 | 34 | ug/Kg | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| Xylenes, Total | ND | | | | 200 | 55 | ug/Kg | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| cis-1,3-Dichloropropene | ND | | | | 100 | 24 | ug/Kg | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| Styrene | ND | | | | 100 | 24 | ug/Kg | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| tert-Butylbenzene | ND | | | | 100 | 28 | ug/Kg | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------|-----------|--------|----------------|----------------|---------|
| | Result | Qualifier | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 53 - 146 | | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| 4-Bromofluorobenzene (Surr) | 97 | | 49 - 148 | | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |
| Toluene-d8 (Surr) | 99 | | 50 - 149 | | | 03/05/19 12:58 | 03/05/19 23:31 | 1 |

Lab Sample ID: LCS 480-461604/1-A

Matrix: Solid

Analysis Batch: 461670

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461604

| Analyte | Spike Added | LCs | LCS | Result | Qualifier | Unit | D | %Rec | Limits |
|---------------------------------------|----------------|-------|--------|--------|-----------|-------|---|------|----------|
| | | Added | Result | | | | | | |
| 1,1,1-Trichloroethane | 2500 | 2650 | | | | ug/Kg | | 106 | 68 - 130 |
| 1,1,2,2-Tetrachloroethane | 2500 | 2530 | | | | ug/Kg | | 101 | 73 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 2500 | 2750 | | | | ug/Kg | | 110 | 10 - 179 |
| ne | | | | | | | | | |
| 1,1,2-Trichloroethane | 2500 | 2600 | | | | ug/Kg | | 104 | 80 - 120 |
| 1,1-Dichloroethane | 2500 | 2600 | | | | ug/Kg | | 104 | 78 - 121 |
| 1,1-Dichloroethene | 2500 | 2630 | | | | ug/Kg | | 105 | 48 - 133 |
| 1,2,4-Trichlorobenzene | 2500 | 2780 | | | | ug/Kg | | 111 | 70 - 140 |
| 1,2,4-Trimethylbenzene | 2500 | 2920 | | | | ug/Kg | | 117 | 77 - 127 |
| 1,2-Dibromo-3-Chloropropane | 2500 | 2520 | | | | ug/Kg | | 101 | 56 - 122 |
| 1,2-Dichlorobenzene | 2500 | 2670 | | | | ug/Kg | | 107 | 78 - 125 |
| 1,2-Dichloroethane | 2500 | 2470 | | | | ug/Kg | | 99 | 74 - 127 |
| 1,2-Dichloropropane | 2500 | 2640 | | | | ug/Kg | | 105 | 80 - 120 |
| 1,3,5-Trimethylbenzene | 2500 | 2890 | | | | ug/Kg | | 116 | 79 - 120 |
| 1,3-Dichlorobenzene | 2500 | 2700 | | | | ug/Kg | | 108 | 80 - 120 |
| 1,4-Dichlorobenzene | 2500 | 2630 | | | | ug/Kg | | 105 | 80 - 120 |
| 2-Butanone (MEK) | 12500 | 11900 | | | | ug/Kg | | 96 | 54 - 149 |
| 2-Hexanone | 12500 | 11400 | | | | ug/Kg | | 91 | 59 - 127 |
| 4-Isopropyltoluene | 2500 | 2940 | | | | ug/Kg | | 118 | 80 - 120 |
| 4-Methyl-2-pentanone (MIBK) | 12500 | 12200 | | | | ug/Kg | | 98 | 74 - 120 |
| Acetone | 12500 | 11500 | | | | ug/Kg | | 92 | 47 - 141 |
| Benzene | 2500 | 2630 | | | | ug/Kg | | 105 | 77 - 125 |
| Bromoform | 2500 | 2560 | | | | ug/Kg | | 102 | 48 - 125 |
| Bromomethane | 2500 | 2080 | | | | ug/Kg | | 83 | 39 - 149 |
| Carbon disulfide | 2500 | 2510 | | | | ug/Kg | | 100 | 40 - 136 |
| Carbon tetrachloride | 2500 | 2670 | | | | ug/Kg | | 107 | 54 - 135 |
| Chlorobenzene | 2500 | 2630 | | | | ug/Kg | | 105 | 76 - 126 |
| Dibromochloromethane | 2500 | 2590 | | | | ug/Kg | | 104 | 64 - 120 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-461604/1-A

Matrix: Solid

Analysis Batch: 461670

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461604

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | Limits |
|---------------------------|-------|--------|-----------|-------|-----|----------|--------|
| | Added | Result | Qualifier | | | | |
| Chloroethane | 2500 | 1850 | | ug/Kg | 74 | 23 - 150 | |
| Chloroform | 2500 | 2480 | | ug/Kg | 99 | 78 - 120 | |
| Chloromethane | 2500 | 2400 | | ug/Kg | 96 | 61 - 124 | |
| cis-1,2-Dichloroethene | 2500 | 2510 | | ug/Kg | 101 | 79 - 124 | |
| Cyclohexane | 2500 | 2730 | | ug/Kg | 109 | 49 - 129 | |
| Bromodichloromethane | 2500 | 2530 | | ug/Kg | 101 | 71 - 121 | |
| Dichlorodifluoromethane | 2500 | 2380 | | ug/Kg | 95 | 10 - 150 | |
| Ethylbenzene | 2500 | 2660 | | ug/Kg | 106 | 78 - 124 | |
| 1,2-Dibromoethane | 2500 | 2580 | | ug/Kg | 103 | 80 - 120 | |
| Isopropylbenzene | 2500 | 2850 | | ug/Kg | 114 | 76 - 120 | |
| Methyl acetate | 5000 | 4900 | | ug/Kg | 98 | 71 - 123 | |
| Methyl tert-butyl ether | 2500 | 2490 | | ug/Kg | 99 | 67 - 137 | |
| Methylcyclohexane | 2500 | 2790 | | ug/Kg | 112 | 50 - 130 | |
| Methylene Chloride | 2500 | 2720 | | ug/Kg | 109 | 75 - 118 | |
| m,p-Xylene | 2500 | 2690 | | ug/Kg | 108 | 77 - 125 | |
| n-Butylbenzene | 2500 | 2910 | | ug/Kg | 117 | 80 - 120 | |
| N-Propylbenzene | 2500 | 2860 | | ug/Kg | 115 | 76 - 120 | |
| o-Xylene | 2500 | 2800 | | ug/Kg | 112 | 80 - 124 | |
| sec-Butylbenzene | 2500 | 2970 | | ug/Kg | 119 | 79 - 120 | |
| Tetrachloroethene | 2500 | 2570 | | ug/Kg | 103 | 73 - 133 | |
| Toluene | 2500 | 2650 | | ug/Kg | 106 | 75 - 124 | |
| trans-1,2-Dichloroethene | 2500 | 2530 | | ug/Kg | 101 | 74 - 129 | |
| trans-1,3-Dichloropropene | 2500 | 2800 | | ug/Kg | 112 | 73 - 120 | |
| Trichloroethene | 2500 | 2690 | | ug/Kg | 108 | 75 - 131 | |
| Trichlorofluoromethane | 2500 | 2540 | | ug/Kg | 102 | 29 - 158 | |
| Vinyl chloride | 2500 | 2550 | | ug/Kg | 102 | 59 - 124 | |
| cis-1,3-Dichloropropene | 2500 | 2750 | | ug/Kg | 110 | 75 - 121 | |
| Styrene | 2500 | 2770 | | ug/Kg | 111 | 80 - 120 | |
| tert-Butylbenzene | 2500 | 2850 | | ug/Kg | 114 | 78 - 120 | |

| Surrogate | LCS | LCS | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 53 - 146 |
| 4-Bromofluorobenzene (Surr) | 100 | | 49 - 148 |
| Toluene-d8 (Surr) | 99 | | 50 - 149 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-461631/1-A

Matrix: Solid

Analysis Batch: 461816

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461631

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Acenaphthene | ND | | 170 | 25 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| Acenaphthylene | ND | | 170 | 22 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| Anthracene | ND | | 170 | 42 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| Benzo[a]anthracene | ND | | 170 | 17 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| Benzo[a]pyrene | ND | | 170 | 25 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| Benzo[b]fluoranthene | ND | | 170 | 27 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-461631/1-A

Matrix: Solid

Analysis Batch: 461816

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461631

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|--------|-----------|----|-------|------|----------------|----------------|----------|---------|
| | Result | Qualifier | | | | | | | | | |
| Benzo[g,h,i]perylene | ND | | 170 | | 18 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |
| Benzo[k]fluoranthene | ND | | 170 | | 22 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |
| Chrysene | ND | | 170 | | 38 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |
| Dibenz(a,h)anthracene | ND | | 170 | | 30 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |
| Fluoranthene | ND | | 170 | | 18 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |
| Fluorene | ND | | 170 | | 20 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 170 | | 21 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |
| Naphthalene | ND | | 170 | | 22 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |
| Pyrene | ND | | 170 | | 20 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |
| Phenanthrene | ND | | 170 | | 25 | ug/Kg | | 03/05/19 14:35 | 03/06/19 23:26 | | 1 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----------|-----------|--------|----------------|----------------|---------|
| | Result | Qualifier | | | | | | |
| 2,4,6-Tribromophenol (Surr) | 78 | | 54 - 120 | | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| 2-Fluorobiphenyl | 90 | | 60 - 120 | | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| 2-Fluorophenol (Surr) | 82 | | 52 - 120 | | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| Phenol-d5 (Surr) | 85 | | 54 - 120 | | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| p-Terphenyl-d14 (Surr) | 106 | | 65 - 121 | | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |
| Nitrobenzene-d5 (Surr) | 93 | | 53 - 120 | | | 03/05/19 14:35 | 03/06/19 23:26 | 1 |

Lab Sample ID: LCS 480-461631/2-A

Matrix: Solid

Analysis Batch: 461816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461631

| Analyte | Spike | LCS | LCS | Added | Result | Qualifier | Unit | D | %Rec | Limits |
|------------------------|-------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
| | Added | Result | Qualifier | | | | | | | |
| Acenaphthene | | 1640 | | 1640 | 1460 | | ug/Kg | | 89 | 62 - 120 |
| Acenaphthylene | | 1640 | | 1640 | 1400 | | ug/Kg | | 85 | 58 - 121 |
| Anthracene | | 1640 | | 1640 | 1470 | | ug/Kg | | 90 | 62 - 120 |
| Benzo[a]anthracene | | 1640 | | 1640 | 1410 | | ug/Kg | | 86 | 65 - 120 |
| Benzo[a]pyrene | | 1640 | | 1640 | 1540 | | ug/Kg | | 94 | 64 - 120 |
| Benzo[b]fluoranthene | | 1640 | | 1640 | 1510 | | ug/Kg | | 92 | 64 - 120 |
| Benzo[g,h,i]perylene | | 1640 | | 1640 | 1630 | | ug/Kg | | 99 | 45 - 145 |
| Benzo[k]fluoranthene | | 1640 | | 1640 | 1510 | | ug/Kg | | 92 | 65 - 120 |
| Chrysene | | 1640 | | 1640 | 1440 | | ug/Kg | | 88 | 64 - 120 |
| Dibenz(a,h)anthracene | | 1640 | | 1640 | 1650 | | ug/Kg | | 100 | 54 - 132 |
| Fluoranthene | | 1640 | | 1640 | 1460 | | ug/Kg | | 89 | 62 - 120 |
| Fluorene | | 1640 | | 1640 | 1470 | | ug/Kg | | 90 | 63 - 120 |
| Indeno[1,2,3-cd]pyrene | | 1640 | | 1640 | 1650 | | ug/Kg | | 100 | 56 - 134 |
| Naphthalene | | 1640 | | 1640 | 1280 | | ug/Kg | | 78 | 55 - 120 |
| Pyrene | | 1640 | | 1640 | 1440 | | ug/Kg | | 88 | 61 - 133 |
| Phenanthrene | | 1640 | | 1640 | 1440 | | ug/Kg | | 88 | 60 - 120 |

| Surrogate | LCS | LCS | %Recovery | Qualifier | Limits |
|-----------------------------|--------|-----------|-----------|-----------|--------|
| | Result | Qualifier | | | |
| 2,4,6-Tribromophenol (Surr) | 98 | | 54 - 120 | | |
| 2-Fluorobiphenyl | 88 | | 60 - 120 | | |
| 2-Fluorophenol (Surr) | 77 | | 52 - 120 | | |
| Phenol-d5 (Surr) | 76 | | 54 - 120 | | |
| p-Terphenyl-d14 (Surr) | 102 | | 65 - 121 | | |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-461631/2-A

Matrix: Solid

Analysis Batch: 461816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461631

| Surrogate | LCS | LCS | |
|------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | Limits |
| Nitrobenzene-d5 (Surr) | 90 | | 53 - 120 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-461632/1-A

Matrix: Solid

Analysis Batch: 461785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461632

| Analyte | MB | MB | | | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|----------------|----------------|---------|
| | Result | Qualifier | RL | MDL | Unit | | | |
| PCB-1016 | ND | | 0.20 | 0.040 | mg/Kg | 03/05/19 14:43 | 03/06/19 16:10 | 1 |
| PCB-1221 | ND | | 0.20 | 0.040 | mg/Kg | 03/05/19 14:43 | 03/06/19 16:10 | 1 |
| PCB-1232 | ND | | 0.20 | 0.040 | mg/Kg | 03/05/19 14:43 | 03/06/19 16:10 | 1 |
| PCB-1242 | ND | | 0.20 | 0.040 | mg/Kg | 03/05/19 14:43 | 03/06/19 16:10 | 1 |
| PCB-1248 | ND | | 0.20 | 0.040 | mg/Kg | 03/05/19 14:43 | 03/06/19 16:10 | 1 |
| PCB-1254 | ND | | 0.20 | 0.095 | mg/Kg | 03/05/19 14:43 | 03/06/19 16:10 | 1 |
| PCB-1260 | ND | | 0.20 | 0.095 | mg/Kg | 03/05/19 14:43 | 03/06/19 16:10 | 1 |

| Surrogate | MB | MB | | | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|--|----------------|----------------|---------|
| | %Recovery | Qualifier | Limits | | | | |
| Tetrachloro-m-xylene | 83 | | 60 - 154 | | 03/05/19 14:43 | 03/06/19 16:10 | 1 |
| DCB Decachlorobiphenyl | 81 | | 65 - 174 | | 03/05/19 14:43 | 03/06/19 16:10 | 1 |

Lab Sample ID: LCS 480-461632/2-A

Matrix: Solid

Analysis Batch: 461785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461632

| Analyte | Spike | LCS | LCS | | %Rec. |
|----------|-------|--------|-----------|-------|-------|
| | Added | Result | Qualifier | Unit | D |
| PCB-1016 | 2.04 | 2.00 | | mg/Kg | 98 |
| PCB-1260 | 2.04 | 2.10 | | mg/Kg | 103 |

| Surrogate | LCS | LCS | | | |
|------------------------|-----------|-----------|----------|--|--|
| | %Recovery | Qualifier | Limits | | |
| Tetrachloro-m-xylene | 92 | | 60 - 154 | | |
| DCB Decachlorobiphenyl | 91 | | 65 - 174 | | |

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-461760/1-A

Matrix: Solid

Analysis Batch: 462120

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461760

| Analyte | MB | MB | | | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|----------------|----------------|---------|
| | Result | Qualifier | RL | MDL | Unit | | | |
| Arsenic | ND | | 2.0 | 0.40 | mg/Kg | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Barium | ND | | 0.50 | 0.11 | mg/Kg | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Cadmium | ND | | 0.20 | 0.030 | mg/Kg | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Chromium | ND | | 0.50 | 0.20 | mg/Kg | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Lead | ND | | 1.0 | 0.24 | mg/Kg | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Selenium | ND | | 4.0 | 0.40 | mg/Kg | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Silver | ND | | 0.60 | 0.20 | mg/Kg | 03/06/19 10:49 | 03/07/19 12:39 | 1 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Lab Sample ID: LCSSRM 480-461760/2-A
Matrix: Solid
Analysis Batch: 462120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 461760

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | Limits | |
|----------|-------------|---------------|------------------|-------|---|-------|-------------|---|
| Arsenic | 171 | 151.9 | | mg/Kg | | 88.8 | 66.1 - 122. | |
| Barium | 272 | 235.6 | | mg/Kg | | 86.6 | 71.7 - 119. | 2 |
| Cadmium | 225 | 188.9 | | mg/Kg | | 84.0 | 70.2 - 117. | 5 |
| Chromium | 144 | 127.3 | | mg/Kg | | 88.4 | 66.1 - 122. | 3 |
| Lead | 111 | 117.9 | | mg/Kg | | 106.2 | 71.0 - 128. | 9 |
| Selenium | 206 | 179.8 | | mg/Kg | | 87.3 | 63.6 - 122. | 8 |
| Silver | 45.5 | 40.74 | | mg/Kg | | 89.5 | 66.2 - 124. | 3 |
| | | | | | | | | 2 |

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-461646/1-A
Matrix: Solid
Analysis Batch: 461877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 461646

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND | | 0.018 | 0.0074 | mg/Kg | | 03/06/19 13:06 | 03/06/19 16:20 | 1 |

Lab Sample ID: LCSSRM 480-461646/2-A ^10
Matrix: Solid
Analysis Batch: 461877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 461646

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | Limits | |
|---------|-------------|---------------|------------------|-------|---|------|-------------|---|
| Mercury | 12.0 | 11.38 | | mg/Kg | | 94.8 | 57.3 - 133. | 3 |

Lab Sample ID: MB 480-461801/1-A
Matrix: Solid
Analysis Batch: 461877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 461801

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND | | 0.019 | 0.0077 | mg/Kg | | 03/06/19 13:06 | 03/06/19 16:45 | 1 |

Lab Sample ID: LCSSRM 480-461801/2-A ^10
Matrix: Solid
Analysis Batch: 461877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 461801

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | Limits | |
|---------|-------------|---------------|------------------|-------|---|------|-------------|---|
| Mercury | 12.0 | 11.37 | | mg/Kg | | 94.8 | 57.3 - 133. | 3 |

TestAmerica Buffalo

QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

GC/MS VOA

Prep Batch: 461604

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|---------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 5035A_H | |
| 480-149711-2 | SB-3 (16-20) | Total/NA | Solid | 5035A_H | |
| MB 480-461604/2-A | Method Blank | Total/NA | Solid | 5035A_H | |
| LCS 480-461604/1-A | Lab Control Sample | Total/NA | Solid | 5035A_H | |

Analysis Batch: 461670

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 8260C | |
| 480-149711-2 | SB-3 (16-20) | Total/NA | Solid | 8260C | |
| MB 480-461604/2-A | Method Blank | Total/NA | Solid | 8260C | |
| LCS 480-461604/1-A | Lab Control Sample | Total/NA | Solid | 8260C | 461604 |

GC/MS Semi VOA

Prep Batch: 461631

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 3550C | |
| 480-149711-3 | SB-4 (1-3) | Total/NA | Solid | 3550C | |
| 480-149711-4 | SB-5 (3-5) | Total/NA | Solid | 3550C | |
| 480-149711-5 | SB-9 (3-5) | Total/NA | Solid | 3550C | |
| MB 480-461631/1-A | Method Blank | Total/NA | Solid | 3550C | |
| LCS 480-461631/2-A | Lab Control Sample | Total/NA | Solid | 3550C | |

Analysis Batch: 461816

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 8270D | |
| 480-149711-3 | SB-4 (1-3) | Total/NA | Solid | 8270D | |
| 480-149711-4 | SB-5 (3-5) | Total/NA | Solid | 8270D | |
| 480-149711-5 | SB-9 (3-5) | Total/NA | Solid | 8270D | |
| MB 480-461631/1-A | Method Blank | Total/NA | Solid | 8270D | |
| LCS 480-461631/2-A | Lab Control Sample | Total/NA | Solid | 8270D | 461631 |

GC Semi VOA

Prep Batch: 461632

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 3550C | |
| 480-149711-2 | SB-3 (16-20) | Total/NA | Solid | 3550C | |
| 480-149711-3 | SB-4 (1-3) | Total/NA | Solid | 3550C | |
| 480-149711-4 | SB-5 (3-5) | Total/NA | Solid | 3550C | |
| MB 480-461632/1-A | Method Blank | Total/NA | Solid | 3550C | |
| LCS 480-461632/2-A | Lab Control Sample | Total/NA | Solid | 3550C | |

Analysis Batch: 461785

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 8082A | |
| 480-149711-2 | SB-3 (16-20) | Total/NA | Solid | 8082A | |
| 480-149711-3 | SB-4 (1-3) | Total/NA | Solid | 8082A | |
| 480-149711-4 | SB-5 (3-5) | Total/NA | Solid | 8082A | |
| MB 480-461632/1-A | Method Blank | Total/NA | Solid | 8082A | |

TestAmerica Buffalo

QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

GC Semi VOA (Continued)

Analysis Batch: 461785 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| LCS 480-461632/2-A | Lab Control Sample | Total/NA | Solid | 8082A | 461632 |

Metals

Prep Batch: 461646

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------|--------------------|-----------|--------|--------|------------|
| 480-149711-3 | SB-4 (1-3) | Total/NA | Solid | 7471B | |
| 480-149711-4 | SB-5 (3-5) | Total/NA | Solid | 7471B | |
| 480-149711-5 | SB-9 (3-5) | Total/NA | Solid | 7471B | |
| MB 480-461646/1-A | Method Blank | Total/NA | Solid | 7471B | |
| LCSSRM 480-461646/2-A ^10 | Lab Control Sample | Total/NA | Solid | 7471B | |

Prep Batch: 461760

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|--------------------|-----------|--------|--------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 3050B | |
| 480-149711-3 | SB-4 (1-3) | Total/NA | Solid | 3050B | |
| 480-149711-4 | SB-5 (3-5) | Total/NA | Solid | 3050B | |
| 480-149711-5 | SB-9 (3-5) | Total/NA | Solid | 3050B | |
| MB 480-461760/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCSSRM 480-461760/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |

Prep Batch: 461801

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------|--------------------|-----------|--------|--------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 7471B | |
| MB 480-461801/1-A | Method Blank | Total/NA | Solid | 7471B | |
| LCSSRM 480-461801/2-A ^10 | Lab Control Sample | Total/NA | Solid | 7471B | |

Analysis Batch: 461877

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------|--------------------|-----------|--------|--------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 7471B | 461801 |
| 480-149711-3 | SB-4 (1-3) | Total/NA | Solid | 7471B | 461646 |
| 480-149711-4 | SB-5 (3-5) | Total/NA | Solid | 7471B | 461646 |
| 480-149711-5 | SB-9 (3-5) | Total/NA | Solid | 7471B | 461646 |
| MB 480-461646/1-A | Method Blank | Total/NA | Solid | 7471B | 461646 |
| MB 480-461801/1-A | Method Blank | Total/NA | Solid | 7471B | 461801 |
| LCSSRM 480-461646/2-A ^10 | Lab Control Sample | Total/NA | Solid | 7471B | 461646 |
| LCSSRM 480-461801/2-A ^10 | Lab Control Sample | Total/NA | Solid | 7471B | 461801 |

Analysis Batch: 462120

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|--------------------|-----------|--------|--------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | 6010C | 461760 |
| 480-149711-3 | SB-4 (1-3) | Total/NA | Solid | 6010C | 461760 |
| 480-149711-4 | SB-5 (3-5) | Total/NA | Solid | 6010C | 461760 |
| 480-149711-5 | SB-9 (3-5) | Total/NA | Solid | 6010C | 461760 |
| MB 480-461760/1-A | Method Blank | Total/NA | Solid | 6010C | 461760 |
| LCSSRM 480-461760/2-A | Lab Control Sample | Total/NA | Solid | 6010C | 461760 |

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QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

General Chemistry

Analysis Batch: 461606

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 480-149711-1 | SB-3 (8-12) | Total/NA | Solid | Moisture | 5 |
| 480-149711-2 | SB-3 (16-20) | Total/NA | Solid | Moisture | 6 |
| 480-149711-3 | SB-4 (1-3) | Total/NA | Solid | Moisture | 7 |
| 480-149711-4 | SB-5 (3-5) | Total/NA | Solid | Moisture | 8 |
| 480-149711-5 | SB-9 (3-5) | Total/NA | Solid | Moisture | 9 |

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-3 (8-12)

Lab Sample ID: 480-149711-1

Matrix: Solid

Date Collected: 02/28/19 09:41

Date Received: 03/01/19 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

Client Sample ID: SB-3 (8-12)

Lab Sample ID: 480-149711-1

Matrix: Solid

Date Collected: 02/28/19 09:41

Percent Solids: 73.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035A_H | | | 461604 | 03/05/19 12:58 | OMI | TAL BUF |
| Total/NA | Analysis | 8260C | | 2 | 461670 | 03/06/19 03:32 | RJF | TAL BUF |
| Total/NA | Prep | 3550C | | | 461631 | 03/05/19 14:35 | ATG | TAL BUF |
| Total/NA | Analysis | 8270D | | 1 | 461816 | 03/07/19 07:17 | DMR | TAL BUF |
| Total/NA | Prep | 3550C | | | 461632 | 03/05/19 14:43 | ATG | TAL BUF |
| Total/NA | Analysis | 8082A | | 1 | 461785 | 03/06/19 17:45 | W1T | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 13:37 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461801 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 5 | 461877 | 03/06/19 17:12 | BMB | TAL BUF |

Client Sample ID: SB-3 (16-20)

Lab Sample ID: 480-149711-2

Matrix: Solid

Date Collected: 02/28/19 09:42

Date Received: 03/01/19 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

Client Sample ID: SB-3 (16-20)

Lab Sample ID: 480-149711-2

Matrix: Solid

Date Collected: 02/28/19 09:42

Percent Solids: 73.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035A_H | | | 461604 | 03/05/19 12:58 | OMI | TAL BUF |
| Total/NA | Analysis | 8260C | | 8 | 461670 | 03/06/19 04:00 | RJF | TAL BUF |
| Total/NA | Prep | 3550C | | | 461632 | 03/05/19 14:43 | ATG | TAL BUF |
| Total/NA | Analysis | 8082A | | 1 | 461785 | 03/06/19 18:01 | W1T | TAL BUF |

Client Sample ID: SB-4 (1-3)

Lab Sample ID: 480-149711-3

Matrix: Solid

Date Collected: 02/28/19 12:00

Date Received: 03/01/19 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

TestAmerica Buffalo

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-4 (1-3)

Date Collected: 02/28/19 12:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-3

Matrix: Solid

Percent Solids: 83.0

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3550C | | | 461631 | 03/05/19 14:35 | ATG | TAL BUF |
| Total/NA | Analysis | 8270D | | 10 | 461816 | 03/07/19 07:42 | DMR | TAL BUF |
| Total/NA | Prep | 3550C | | | 461632 | 03/05/19 14:43 | ATG | TAL BUF |
| Total/NA | Analysis | 8082A | | 1 | 461785 | 03/06/19 18:17 | W1T | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 13:41 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461646 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 1 | 461877 | 03/06/19 16:37 | BMB | TAL BUF |

Client Sample ID: SB-5 (3-5)

Date Collected: 02/28/19 13:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

Client Sample ID: SB-5 (3-5)

Date Collected: 02/28/19 13:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-4

Matrix: Solid

Percent Solids: 85.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3550C | | | 461631 | 03/05/19 14:35 | ATG | TAL BUF |
| Total/NA | Analysis | 8270D | | 5 | 461816 | 03/07/19 08:07 | DMR | TAL BUF |
| Total/NA | Prep | 3550C | | | 461632 | 03/05/19 14:43 | ATG | TAL BUF |
| Total/NA | Analysis | 8082A | | 1 | 461785 | 03/06/19 18:33 | W1T | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 13:45 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461646 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 1 | 461877 | 03/06/19 16:38 | BMB | TAL BUF |

Client Sample ID: SB-9 (3-5)

Date Collected: 02/28/19 15:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-5

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

Client Sample ID: SB-9 (3-5)

Date Collected: 02/28/19 15:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-5

Matrix: Solid

Percent Solids: 78.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3550C | | | 461631 | 03/05/19 14:35 | ATG | TAL BUF |

TestAmerica Buffalo

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Client Sample ID: SB-9 (3-5)

Date Collected: 02/28/19 15:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149711-5

Matrix: Solid

Percent Solids: 78.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8270D | | 5 | 461816 | 03/07/19 08:32 | DMR | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 13:49 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461646 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 1 | 461877 | 03/06/19 16:40 | BMB | TAL BUF |

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Benchmark Env. Eng. & Science, PLLC

Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York | NELAP | 2 | 10026 | 03-31-19 * |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------------|
| Moisture | | Solid | Percent Moisture |
| Moisture | | Solid | Percent Solids |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

| Method | Method Description | Protocol | Laboratory |
|----------|--|----------|------------|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL BUF |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL BUF |
| 8082A | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846 | TAL BUF |
| 6010C | Metals (ICP) | SW846 | TAL BUF |
| 7471B | Mercury (CVAA) | SW846 | TAL BUF |
| Moisture | Percent Moisture | EPA | TAL BUF |
| 3050B | Preparation, Metals | SW846 | TAL BUF |
| 3550C | Ultrasonic Extraction | SW846 | TAL BUF |
| 5035A_H | Closed System Purge and Trap | SW846 | TAL BUF |
| 7471B | Preparation, Mercury | SW846 | 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

Sample Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149711-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 480-149711-1 | SB-3 (8-12) | Solid | 02/28/19 09:41 | 03/01/19 16:00 |
| 480-149711-2 | SB-3 (16-20) | Solid | 02/28/19 09:42 | 03/01/19 16:00 |
| 480-149711-3 | SB-4 (1-3) | Solid | 02/28/19 12:00 | 03/01/19 16:00 |
| 480-149711-4 | SB-5 (3-5) | Solid | 02/28/19 13:00 | 03/01/19 16:00 |
| 480-149711-5 | SB-9 (3-5) | Solid | 02/28/19 15:00 | 03/01/19 16:00 |

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TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record

304521

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (07/13)

RCRA NPDES Other:

Regulatory Program:

DW

Site Contact: CHAD SCHOST

Date: 3/1/19

COC No.:

1

COCS

of 1 COCs

Sampler:

For Lab Use Only:

Walk-in Client:

Lab Sampling:

Job / SDG No.:

49211

Sample Specific Notes:

PCB

ECA

METALS

PAs

PCBs + CPSI VOC

Perfom MS / MSD (Y/N)

Preferred Sample (Y/N)

Project Manager: BRAD MAYBACK

Carrier:

BELAN

FISCHER

Carrier:

3/1/19

Date:

Site Contact: CHAD SCHOST

Date:

3/1/19

Date:

Lab Contact: BELAN

Date:

3/1/19

Date:

Carrier:

3/1/19

3/1/19

Login Sample Receipt Checklist

Client: Benchmark Env. Eng. & Science, PLLC

Job Number: 480-149711-1

Login Number: 149711

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

| 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 (Excluding tests with immediate HTs).. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| 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 | BENCHMARK |
| 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 | |



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-149695-1

Client Project/Site: Benchmark - 395 Ganson St.

For:

Benchmark Env. Eng. & Science, PLLC

2558 Hamburg Turnpike

Lackawanna, New York 14218

Attn: Bryan Mayback

Authorized for release by:

3/6/2019 12:57:52 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

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.

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Definitions/Glossary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| * | LCS or LCSD is outside acceptance limits. |
| 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 |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Job ID: 480-149695-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-149695-1

Comments

No additional comments.

Receipt

The sample was received on 3/1/2019 4:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-461505 recovered above the upper control limit for Chlorodibromomethane and cis-1,3-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: SB-3W (480-149695-1).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-461505 recovered outside control limits for the following analyte: Chlorodibromomethane. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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 (LCS) associated with batch 480-461505. The following sample was affected : SB-3W (480-149695-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Client Sample ID: SB-3W

Lab Sample ID: 480-149695-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Acetone | 4.0 | J | 10 | 3.0 | ug/L | 1 | | 8260C | Total/NA |
| Carbon disulfide | 0.27 | J | 1.0 | 0.19 | ug/L | 1 | | 8260C | Total/NA |
| Cyclohexane | 0.21 | J | 1.0 | 0.18 | ug/L | 1 | | 8260C | Total/NA |
| Methylcyclohexane | 0.42 | J | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Client Sample ID: SB-3W

Date Collected: 03/01/19 08:34

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149695-1

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 | | 03/05/19 02:31 | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.75 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.77 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | 03/05/19 02:31 | | 1 |
| 2-Butanone (MEK) | ND * | | 10 | 1.3 | ug/L | | 03/05/19 02:31 | | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | 03/05/19 02:31 | | 1 |
| 4-Isopropyltoluene | ND | | 1.0 | 0.31 | ug/L | | 03/05/19 02:31 | | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | 03/05/19 02:31 | | 1 |
| Acetone | 4.0 J | | 10 | 3.0 | ug/L | | 03/05/19 02:31 | | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | 03/05/19 02:31 | | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | 03/05/19 02:31 | | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | 03/05/19 02:31 | | 1 |
| Carbon disulfide | 0.27 J | | 1.0 | 0.19 | ug/L | | 03/05/19 02:31 | | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | 03/05/19 02:31 | | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | 03/05/19 02:31 | | 1 |
| Dibromochloromethane | ND * | | 1.0 | 0.32 | ug/L | | 03/05/19 02:31 | | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | 03/05/19 02:31 | | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | 03/05/19 02:31 | | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | 03/05/19 02:31 | | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | 03/05/19 02:31 | | 1 |
| Cyclohexane | 0.21 J | | 1.0 | 0.18 | ug/L | | 03/05/19 02:31 | | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | 03/05/19 02:31 | | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | 03/05/19 02:31 | | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | 03/05/19 02:31 | | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | 03/05/19 02:31 | | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | 03/05/19 02:31 | | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | 03/05/19 02:31 | | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | 03/05/19 02:31 | | 1 |
| Methylcyclohexane | 0.42 J | | 1.0 | 0.16 | ug/L | | 03/05/19 02:31 | | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | 03/05/19 02:31 | | 1 |
| m,p-Xylene | ND | | 2.0 | 0.66 | ug/L | | 03/05/19 02:31 | | 1 |
| n-Butylbenzene | ND | | 1.0 | 0.64 | ug/L | | 03/05/19 02:31 | | 1 |
| N-Propylbenzene | ND | | 1.0 | 0.69 | ug/L | | 03/05/19 02:31 | | 1 |
| o-Xylene | ND | | 1.0 | 0.76 | ug/L | | 03/05/19 02:31 | | 1 |
| sec-Butylbenzene | ND | | 1.0 | 0.75 | ug/L | | 03/05/19 02:31 | | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | 03/05/19 02:31 | | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | 03/05/19 02:31 | | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.90 | ug/L | | 03/05/19 02:31 | | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Client Sample ID: SB-3W

Date Collected: 03/01/19 08:34

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149695-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|------------------|------------------|---------------|------|---|-----------------|-----------------|----------------|
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.37 | ug/L | | | 03/05/19 02:31 | 1 |
| Trichloroethene | ND | | 1.0 | 0.46 | ug/L | | | 03/05/19 02:31 | 1 |
| Trichlorofluoromethane | ND | | 1.0 | 0.88 | ug/L | | | 03/05/19 02:31 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.90 | ug/L | | | 03/05/19 02:31 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.66 | ug/L | | | 03/05/19 02:31 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.36 | ug/L | | | 03/05/19 02:31 | 1 |
| Styrene | ND | | 1.0 | 0.73 | ug/L | | | 03/05/19 02:31 | 1 |
| tert-Butylbenzene | ND | | 1.0 | 0.81 | ug/L | | | 03/05/19 02:31 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | | 103 | | 77 - 120 | | | | 03/05/19 02:31 | 1 |
| 4-Bromofluorobenzene (Surr) | | 105 | | 73 - 120 | | | | 03/05/19 02:31 | 1 |
| Toluene-d8 (Surr) | | 97 | | 80 - 120 | | | | 03/05/19 02:31 | 1 |

Surrogate Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|------------------|--------------------|--|-----------------|-----------------|
| | | DCA (77-120) | BFB (73-120) | TOL (80-120) |
| 480-149695-1 | SB-3W | 103 | 105 | 97 |
| LCS 480-461505/5 | Lab Control Sample | 106 | 109 | 100 |
| MB 480-461505/9 | Method Blank | 105 | 109 | 97 |

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-461505/9

Matrix: Water

Analysis Batch: 461505

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 | | | 03/05/19 00:36 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.77 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 03/05/19 00:36 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 03/05/19 00:36 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 03/05/19 00:36 | 1 |
| 4-Isopropyltoluene | ND | | 1.0 | 0.31 | ug/L | | | 03/05/19 00:36 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 03/05/19 00:36 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 03/05/19 00:36 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 03/05/19 00:36 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 03/05/19 00:36 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 03/05/19 00:36 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 03/05/19 00:36 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 03/05/19 00:36 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/05/19 00:36 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 03/05/19 00:36 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 03/05/19 00:36 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 03/05/19 00:36 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 03/05/19 00:36 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 03/05/19 00:36 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 03/05/19 00:36 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 03/05/19 00:36 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 03/05/19 00:36 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 03/05/19 00:36 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/05/19 00:36 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 03/05/19 00:36 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 03/05/19 00:36 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 03/05/19 00:36 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 03/05/19 00:36 | 1 |
| m,p-Xylene | ND | | 2.0 | 0.66 | ug/L | | | 03/05/19 00:36 | 1 |
| n-Butylbenzene | ND | | 1.0 | 0.64 | ug/L | | | 03/05/19 00:36 | 1 |
| N-Propylbenzene | ND | | 1.0 | 0.69 | ug/L | | | 03/05/19 00:36 | 1 |
| o-Xylene | ND | | 1.0 | 0.76 | ug/L | | | 03/05/19 00:36 | 1 |
| sec-Butylbenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/05/19 00:36 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 03/05/19 00:36 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 03/05/19 00:36 | 1 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-461505/9

Matrix: Water

Analysis Batch: 461505

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|----|----|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | ND | ND | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | ND | | | 1.0 | 0.90 | ug/L | | | 03/05/19 00:36 | 1 |
| trans-1,3-Dichloropropene | ND | ND | | | 1.0 | 0.37 | ug/L | | | 03/05/19 00:36 | 1 |
| Trichloroethene | ND | ND | | | 1.0 | 0.46 | ug/L | | | 03/05/19 00:36 | 1 |
| Trichlorofluoromethane | ND | ND | | | 1.0 | 0.88 | ug/L | | | 03/05/19 00:36 | 1 |
| Vinyl chloride | ND | ND | | | 1.0 | 0.90 | ug/L | | | 03/05/19 00:36 | 1 |
| Xylenes, Total | ND | ND | | | 2.0 | 0.66 | ug/L | | | 03/05/19 00:36 | 1 |
| cis-1,3-Dichloropropene | ND | ND | | | 1.0 | 0.36 | ug/L | | | 03/05/19 00:36 | 1 |
| Styrene | ND | ND | | | 1.0 | 0.73 | ug/L | | | 03/05/19 00:36 | 1 |
| tert-Butylbenzene | ND | ND | | | 1.0 | 0.81 | ug/L | | | 03/05/19 00:36 | 1 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
|------------------------------|-----|----------|-----------|-----------|--------|--|--|----------|----------------|---------|
| | 105 | 77 - 120 | | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 109 | 73 - 120 | | | | | | | 03/05/19 00:36 | 1 |
| 4-Bromofluorobenzene (Surr) | 97 | 80 - 120 | | | | | | | 03/05/19 00:36 | 1 |
| Toluene-d8 (Surr) | | | | | | | | | 03/05/19 00:36 | 1 |

Lab Sample ID: LCS 480-461505/5

Matrix: Water

Analysis Batch: 461505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCs | LCS | Unit | D | %Rec | Limits |
|---|----------------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| 1,1,1-Trichloroethane | 25.0 | 27.4 | | ug/L | | 110 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 24.8 | | ug/L | | 99 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | 25.0 | 29.4 | | ug/L | | 117 | 61 - 148 |
| 1,1,2-Trichloroethane | 25.0 | 25.0 | | ug/L | | 100 | 76 - 122 |
| 1,1-Dichloroethane | 25.0 | 25.9 | | ug/L | | 104 | 77 - 120 |
| 1,1-Dichloroethene | 25.0 | 28.7 | | ug/L | | 115 | 66 - 127 |
| 1,2,4-Trichlorobenzene | 25.0 | 24.7 | | ug/L | | 99 | 79 - 122 |
| 1,2,4-Trimethylbenzene | 25.0 | 25.3 | | ug/L | | 101 | 76 - 121 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 24.4 | | ug/L | | 98 | 56 - 134 |
| 1,2-Dichlorobenzene | 25.0 | 24.6 | | ug/L | | 98 | 80 - 124 |
| 1,2-Dichloroethane | 25.0 | 24.1 | | ug/L | | 96 | 75 - 120 |
| 1,2-Dichloropropane | 25.0 | 26.6 | | ug/L | | 106 | 76 - 120 |
| 1,3,5-Trimethylbenzene | 25.0 | 25.2 | | ug/L | | 101 | 77 - 121 |
| 1,3-Dichlorobenzene | 25.0 | 24.6 | | ug/L | | 98 | 77 - 120 |
| 1,4-Dichlorobenzene | 25.0 | 24.6 | | ug/L | | 99 | 80 - 120 |
| 2-Butanone (MEK) | 125 | 249 | * | ug/L | | 199 | 57 - 140 |
| 2-Hexanone | 125 | 134 | | ug/L | | 107 | 65 - 127 |
| 4-Isopropyltoluene | 25.0 | 26.3 | | ug/L | | 105 | 73 - 120 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 118 | | ug/L | | 95 | 71 - 125 |
| Acetone | 125 | 137 | | ug/L | | 110 | 56 - 142 |
| Benzene | 25.0 | 27.2 | | ug/L | | 109 | 71 - 124 |
| Bromoform | 25.0 | 31.8 | | ug/L | | 127 | 61 - 132 |
| Bromomethane | 25.0 | 27.2 | | ug/L | | 109 | 55 - 144 |
| Carbon disulfide | 25.0 | 24.0 | | ug/L | | 96 | 59 - 134 |
| Carbon tetrachloride | 25.0 | 30.8 | | ug/L | | 123 | 72 - 134 |
| Chlorobenzene | 25.0 | 25.1 | | ug/L | | 100 | 80 - 120 |
| Dibromochloromethane | 25.0 | 31.6 | * | ug/L | | 126 | 75 - 125 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-461505/5

Matrix: Water

Analysis Batch: 461505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike | LCS | | Unit | D | %Rec | %Rec. |
|---------------------------|-------|--------|-----------|------|-----|----------|-------|
| | Added | Result | Qualifier | | | | |
| Chloroethane | 25.0 | 26.5 | | ug/L | 106 | 69 - 136 | |
| Chloroform | 25.0 | 25.6 | | ug/L | 102 | 73 - 127 | |
| Chloromethane | 25.0 | 25.7 | | ug/L | 103 | 68 - 124 | |
| cis-1,2-Dichloroethene | 25.0 | 25.8 | | ug/L | 103 | 74 - 124 | |
| Cyclohexane | 25.0 | 29.6 | | ug/L | 118 | 59 - 135 | |
| Bromodichloromethane | 25.0 | 30.1 | | ug/L | 121 | 80 - 122 | |
| Dichlorodifluoromethane | 25.0 | 28.7 | | ug/L | 115 | 59 - 135 | |
| Ethylbenzene | 25.0 | 24.9 | | ug/L | 99 | 77 - 123 | |
| 1,2-Dibromoethane | 25.0 | 28.2 | | ug/L | 113 | 77 - 120 | |
| Isopropylbenzene | 25.0 | 25.0 | | ug/L | 100 | 77 - 122 | |
| Methyl acetate | 50.0 | 44.7 | | ug/L | 89 | 74 - 133 | |
| Methyl tert-butyl ether | 25.0 | 25.8 | | ug/L | 103 | 77 - 120 | |
| Methylcyclohexane | 25.0 | 30.4 | | ug/L | 122 | 68 - 134 | |
| Methylene Chloride | 25.0 | 26.4 | | ug/L | 106 | 75 - 124 | |
| m,p-Xylene | 25.0 | 25.4 | | ug/L | 102 | 76 - 122 | |
| n-Butylbenzene | 25.0 | 25.3 | | ug/L | 101 | 71 - 128 | |
| N-Propylbenzene | 25.0 | 24.6 | | ug/L | 98 | 75 - 127 | |
| o-Xylene | 25.0 | 23.6 | | ug/L | 94 | 76 - 122 | |
| sec-Butylbenzene | 25.0 | 25.7 | | ug/L | 103 | 74 - 127 | |
| Tetrachloroethene | 25.0 | 29.3 | | ug/L | 117 | 74 - 122 | |
| Toluene | 25.0 | 25.3 | | ug/L | 101 | 80 - 122 | |
| trans-1,2-Dichloroethene | 25.0 | 26.1 | | ug/L | 104 | 73 - 127 | |
| trans-1,3-Dichloropropene | 25.0 | 28.0 | | ug/L | 112 | 80 - 120 | |
| Trichloroethene | 25.0 | 27.2 | | ug/L | 109 | 74 - 123 | |
| Trichlorofluoromethane | 25.0 | 27.6 | | ug/L | 110 | 62 - 150 | |
| Vinyl chloride | 25.0 | 27.5 | | ug/L | 110 | 65 - 133 | |
| cis-1,3-Dichloropropene | 25.0 | 30.6 | | ug/L | 123 | 74 - 124 | |
| Styrene | 25.0 | 25.3 | | ug/L | 101 | 80 - 120 | |
| tert-Butylbenzene | 25.0 | 26.2 | | ug/L | 105 | 75 - 123 | |

| Surrogate | LCS | LCS | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 77 - 120 |
| 4-Bromofluorobenzene (Surr) | 109 | | 73 - 120 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 |

QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

GC/MS VOA

Analysis Batch: 461505

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-149695-1 | SB-3W | Total/NA | Water | 8260C | |
| MB 480-461505/9 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-461505/5 | Lab Control Sample | Total/NA | Water | 8260C | |

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Client Sample ID: SB-3W

Date Collected: 03/01/19 08:34

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149695-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 461505 | 03/05/19 02:31 | NMC | TAL BUF |

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Accreditation/Certification Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York | NELAP | 2 | 10026 | 03-31-19 * |

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* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

| Method | Method Description | Protocol | Laboratory |
|--------|-------------------------------------|----------|------------|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL BUF |
| 5030C | Purge and Trap | SW846 | TAL BUF |

Protocol References:

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

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Sample Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 395 Ganson St.

TestAmerica Job ID: 480-149695-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 480-149695-1 | SB-3W | Water | 03/01/19 08:34 | 03/01/19 16:00 |

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TestAmerica Buffalo

10 Hazellwood Drive

Albion, NY 14220
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record

304529

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (07/13)

| | | | | | | | | | | | | | | | | | |
|--|---|--|--|---|-----------------------------------|--|---------------------------------------|--|--------------------------------------|------------------------------|---|------------------------|----------------|---|------------------------|----------------|---------------------------------|
| Client Contact | | Project Manager: BRAD MAYBACH | Regulatory Program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other: | Site Contact: CHAD SCHUTTE Date: 3/1/19 | COC No: 1 of 1 COCs | | | | | | | | | | | | |
| Company Name: BEST CHAMBER | Address: 2558 HUBC, TPK NY 14218 | Tel/Fax: 856 0599 | Analysis Turnaround Time | Lab Contact: BRAD MAYBACH Carrier: _____ | Sampler: _____ | | | | | | | | | | | | |
| City/State/Zip: BUFF, NY 14218 | | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS | | For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____ | | | | | | | | | | | | | |
| Phone: 856 0599 | | <input type="checkbox"/> TAT if different from Below _____ STD | | Job / SDG No.: _____ | | | | | | | | | | | | | |
| Fax: _____ | | <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day | | _____ | | | | | | | | | | | | | |
| Project Name: 375 CANON ST | | Sample Identification | | Sample Specific Notes: _____ | | | | | | | | | | | | | |
| Site: 315 CANON ST | | Sample Date: 3/1/19 | Sample Time: 8:34 | Sample Type (C=Comp, G=Grab): C | # of Cont: 3 | | | | | | | | | | | | |
| PO# B0476-018-001 | | Matrix: Aqua | Matrix: Aqua | _____ | _____ | | | | | | | | | | | | |
|  <p>480-149695 Chain of Custody</p> | | | | | | | | | | | | | | | | | |
| <p>Preservation Used: 1=Ice; 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6= Other</p> <p>Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.</p> <p><input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison A <input checked="" type="checkbox"/> Unknown</p> <p>Special Instructions/QC Requirements & Comments:</p> <table border="1"> <tr> <td>Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td>Custody Seal No.: BRAD MAYBACH</td> <td>Cooler Temp. (°C): Obsd: 16.00 Corr'd: Therm ID No.: 16.00</td> </tr> <tr> <td>Relinquished by: Brad Maybath</td> <td>Company: BEST CHAMBER</td> <td>Company: TEST AMERICA Date/Time: 3/1/19 16:00 Received by: John Joseph</td> </tr> <tr> <td>Relinquished by: _____</td> <td>Company: _____</td> <td>Date/Time: _____ Received in Laboratory by: _____</td> </tr> <tr> <td>Relinquished by: _____</td> <td>Company: _____</td> <td>Date/Time: _____ Company: _____</td> </tr> </table> | | | | | | Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | Custody Seal No.: BRAD MAYBACH | Cooler Temp. (°C): Obsd: 16.00 Corr'd: Therm ID No.: 16.00 | Relinquished by: Brad Maybath | Company: BEST CHAMBER | Company: TEST AMERICA Date/Time: 3/1/19 16:00 Received by: John Joseph | Relinquished by: _____ | Company: _____ | Date/Time: _____ Received in Laboratory by: _____ | Relinquished by: _____ | Company: _____ | Date/Time: _____ Company: _____ |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | Custody Seal No.: BRAD MAYBACH | Cooler Temp. (°C): Obsd: 16.00 Corr'd: Therm ID No.: 16.00 | | | | | | | | | | | | | | | |
| Relinquished by: Brad Maybath | Company: BEST CHAMBER | Company: TEST AMERICA Date/Time: 3/1/19 16:00 Received by: John Joseph | | | | | | | | | | | | | | | |
| Relinquished by: _____ | Company: _____ | Date/Time: _____ Received in Laboratory by: _____ | | | | | | | | | | | | | | | |
| Relinquished by: _____ | Company: _____ | Date/Time: _____ Company: _____ | | | | | | | | | | | | | | | |

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Login Sample Receipt Checklist

Client: Benchmark Env. Eng. & Science, PLLC

Job Number: 480-149695-1

Login Number: 149695

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. | 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 (Excluding tests with immediate HTs).. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| 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 | BENCHMARK |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | True | |
| Chlorine Residual checked. | N/A | |



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-149734-1

Client Project/Site: Benchmark - 305-339 Ganson St.

For:

Benchmark Env. Eng. & Science, PLLC

2558 Hamburg Turnpike

Lackawanna, New York 14218

Attn: Bryan Mayback

Authorized for release by:

3/11/2019 11:41:01 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

LINKS

Review your project
results through

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Have a Question?

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.

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Definitions/Glossary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| vs | Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications. |
| F1 | MS and/or MSD Recovery is outside acceptance limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| * | LCS or LCSD is outside acceptance limits. |
| B | Compound was found in the blank and sample. |

GC/MS 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. |
| X | Surrogate is outside control limits |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD Recovery is outside acceptance limits. |
| F2 | MS/MSD RPD exceeds control limits |
| X | Surrogate is outside control limits |

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| F1 | MS and/or MSD Recovery is outside acceptance limits. |
| F2 | MS/MSD RPD exceeds control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| □ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |

Definitions/Glossary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|---|
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

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Case Narrative

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Job ID: 480-149734-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-149734-1

Comments

No additional comments.

Receipt

The samples were received on 3/1/2019 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC/MS VOA

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 480-461683 and analytical batch 480-461667 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. The following sample is affected: SB-9 (3-5) (480-149734-6).

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-461683 and analytical batch 480-461667 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following samples are impacted: (480-149734-A-6-B MS) and (480-149734-A-6-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270D: The following samples was diluted due to color, appearance and/or viscosity: SB-2 (3-5) (480-149734-1), SB-3 (2-4) (480-149734-2), SB-4 (1-3) (480-149734-3), SB-5 (3-5) (480-149734-4), SB-8 (3-5) (480-149734-5) and SB-9 (3-5) (480-149734-6). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples required a dilution due to physical characteristics: SB-4 (1-3) (480-149734-3), SB-5 (3-5) (480-149734-4), SB-8 (3-5) (480-149734-5) and SB-9 (3-5) (480-149734-6). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB-3 (2-4) (480-149734-2). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8082A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-461833 and analytical batch 480-461975 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8082A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-461833 and analytical batch 480-461975 was outside control limits. Sample matrix interference is suspected.

Method(s) 8082A: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (480-149734-B-1-B MS). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method(s) 8082A: Surrogate recovery for the following sample was outside control limits: SB-5 (3-5) (480-149734-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082A: The following samples are associated with a continuing calibration verification (CCV 480-461975/5) that had recoveries for the surrogate Decachlorobiphenyl that were below acceptance limits: SB-2 (3-5) (480-149734-1) and SB-5 (3-5) (480-149734-4). The secondary surrogate Tetrachloro-m-xylene is within limits. Therefore, the data has been reported.

Case Narrative

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Job ID: 480-149734-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-2 (3-5)

Lab Sample ID: 480-149734-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Acenaphthene | 260 | J | 930 | 140 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Anthracene | 690 | J | 930 | 230 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[a]anthracene | 2400 | | 930 | 93 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[a]pyrene | 2000 | | 930 | 140 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 2800 | | 930 | 150 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 1400 | | 930 | 98 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[k]fluoranthene | 1100 | | 930 | 120 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Chrysene | 2500 | | 930 | 210 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Fluoranthene | 4800 | | 930 | 98 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Fluorene | 190 | J | 930 | 110 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 1100 | | 930 | 110 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Pyrene | 4000 | | 930 | 110 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Phenanthrene | 3000 | | 930 | 140 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Arsenic | 7.7 | F1 | | 2.3 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 177 | | | 0.57 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.56 | F1 | | 0.23 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 12.0 | F2 | | 0.57 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 568 | F2 | | 1.1 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Selenium | 1.3 | J F1 | | 4.5 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Mercury | 0.65 | F1 | 0.020 | 0.0082 | mg/Kg | 1 | ⊗ | 7471B | Total/NA |

Client Sample ID: SB-3 (2-4)

Lab Sample ID: 480-149734-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Acenaphthene | 3500 | | 1100 | 160 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Anthracene | 7500 | | 1100 | 260 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[a]anthracene | 9900 | | 1100 | 110 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[a]pyrene | 8200 | | 1100 | 160 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 9400 | | 1100 | 170 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 4700 | | 1100 | 110 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Benzo[k]fluoranthene | 4500 | | 1100 | 140 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Chrysene | 8900 | | 1100 | 240 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Dibenz(a,h)anthracene | 1200 | | 1100 | 190 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Fluoranthene | 20000 | | 1100 | 110 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Fluorene | 3500 | | 1100 | 130 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 4300 | | 1100 | 130 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Naphthalene | 590 | J | 1100 | 140 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Pyrene | 17000 | | 1100 | 130 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Phenanthrene | 21000 | | 1100 | 160 | ug/Kg | 5 | ⊗ | 8270D | Total/NA |
| Arsenic | 6.8 | | | 0.52 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 130 | | | 0.65 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.42 | | | 0.039 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 26.3 | | | 0.65 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 151 | | | 0.31 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Mercury | 0.20 | | 0.025 | 0.0099 | mg/Kg | 1 | ⊗ | 7471B | Total/NA |

Client Sample ID: SB-4 (1-3)

Lab Sample ID: 480-149734-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|-----|-------|---------|---|--------|-----------|
| Benzo[a]anthracene | 1200 | J | 3900 | 390 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-4 (1-3) (Continued)

Lab Sample ID: 480-149734-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Benzo[a]pyrene | 1200 | J | 3900 | 570 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 1800 | J | 3900 | 620 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 1200 | J | 3900 | 410 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Chrysene | 1600 | J | 3900 | 870 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Fluoranthene | 2800 | J | 3900 | 410 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 1000 | J | 3900 | 480 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Pyrene | 2400 | J | 3900 | 460 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Phenanthrene | 1300 | J | 3900 | 570 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Arsenic | 8.7 | | 2.4 | 0.47 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 191 | | 0.59 | 0.13 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.42 | | 0.24 | 0.035 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 27.2 | | 0.59 | 0.24 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 143 | | 1.2 | 0.28 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Selenium | 2.0 | J | 4.7 | 0.47 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Mercury | 0.097 | | 0.024 | 0.0097 | mg/Kg | 1 | ⊗ | 7471B | Total/NA |

Client Sample ID: SB-5 (3-5)

Lab Sample ID: 480-149734-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|-------|-------|---------|---|--------|-----------|
| Benzo[a]anthracene | 2300 | J | 4000 | 400 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Benzo[a]pyrene | 2000 | J | 4000 | 590 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 2800 | J | 4000 | 640 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 1500 | J | 4000 | 430 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Benzo[k]fluoranthene | 1600 | J | 4000 | 520 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Chrysene | 2700 | J | 4000 | 900 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Fluoranthene | 5600 | | 4000 | 430 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 1300 | J | 4000 | 500 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Pyrene | 4500 | | 4000 | 470 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Phenanthrene | 4000 | | 4000 | 590 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Arsenic | 6.3 | | 2.4 | 0.47 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 173 | | 0.59 | 0.13 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.43 | | 0.24 | 0.036 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 15.6 | | 0.59 | 0.24 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 162 | | 1.2 | 0.28 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Selenium | 0.59 | J | 4.7 | 0.47 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Mercury | 0.25 | | 0.025 | 0.010 | mg/Kg | 1 | ⊗ | 7471B | Total/NA |

Client Sample ID: SB-8 (3-5)

Lab Sample ID: 480-149734-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|-------|---------|---|--------|-----------|
| Benzo[b]fluoranthene | 770 | J | 4000 | 630 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 530 | J | 4000 | 420 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Fluoranthene | 1200 | J | 4000 | 420 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Pyrene | 1100 | J | 4000 | 470 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Arsenic | 6.9 | | 2.4 | 0.48 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 102 | | 0.59 | 0.13 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.57 | | 0.24 | 0.036 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 30.2 | | 0.59 | 0.24 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 424 | | 1.2 | 0.29 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Selenium | 0.97 | J | 4.8 | 0.48 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-8 (3-5) (Continued)

Lab Sample ID: 480-149734-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Mercury | 0.47 | | 0.023 | 0.0091 | mg/Kg | 1 | ⊗ | 7471B | Total/NA |

Client Sample ID: SB-9 (3-5)

Lab Sample ID: 480-149734-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|-------|-------|---------|---|--------|-----------|
| 1,2,4-Trimethylbenzene | 1.7 | J F1 vs | 6.2 | 1.2 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| Acetone | 20 | J vs | 31 | 5.3 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| Benzene | 0.41 | J vs | 6.2 | 0.31 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| Chloroform | 0.49 | J B vs | 6.2 | 0.39 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| Isopropylbenzene | 7.6 | F1 vs | 6.2 | 0.94 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| 2-Butanone (MEK) | 4.4 | J F1 vs | 31 | 2.3 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| Methylene Chloride | 9.5 | B vs | 6.2 | 2.9 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| m,p-Xylene | 1.6 | J F1 vs | 12 | 1.0 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| N-Propylbenzene | 3.4 | J F1 vs | 6.2 | 0.50 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| sec-Butylbenzene | 5.9 | J F1 vs | 6.2 | 0.54 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| tert-Butylbenzene | 2.3 | J F1 vs | 6.2 | 0.65 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| Xylenes, Total | 1.6 | J F1 vs | 12 | 1.0 | ug/Kg | 1 | ⊗ | 8260C | Total/NA |
| Benzo[a]anthracene | 440 | J | 4200 | 420 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 940 | J | 4200 | 670 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 620 | J | 4200 | 440 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Fluoranthene | 1700 | J | 4200 | 440 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 540 | J | 4200 | 520 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Pyrene | 1300 | J | 4200 | 490 | ug/Kg | 20 | ⊗ | 8270D | Total/NA |
| Arsenic | 3.6 | | 2.5 | 0.50 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Barium | 116 | | 0.63 | 0.14 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Cadmium | 0.22 | J | 0.25 | 0.038 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Chromium | 7.0 | | 0.63 | 0.25 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Lead | 44.1 | | 1.3 | 0.30 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Selenium | 0.93 | J | 5.0 | 0.50 | mg/Kg | 1 | ⊗ | 6010C | Total/NA |
| Mercury | 0.041 | | 0.025 | 0.010 | mg/Kg | 1 | ⊗ | 7471B | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-2 (3-5)

Date Collected: 02/27/19 09:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-1

Matrix: Solid

Percent Solids: 89.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----------|---------------|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 260 | J | 930 | 140 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Acenaphthylene | ND | | 930 | 120 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Anthracene | 690 | J | 930 | 230 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Benzo[a]anthracene | 2400 | | 930 | 93 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Benzo[a]pyrene | 2000 | | 930 | 140 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Benzo[b]fluoranthene | 2800 | | 930 | 150 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Benzo[g,h,i]perylene | 1400 | | 930 | 98 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Benzo[k]fluoranthene | 1100 | | 930 | 120 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Chrysene | 2500 | | 930 | 210 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Dibenz(a,h)anthracene | ND | | 930 | 160 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Fluoranthene | 4800 | | 930 | 98 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Fluorene | 190 | J | 930 | 110 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Indeno[1,2,3-cd]pyrene | 1100 | | 930 | 110 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Naphthalene | ND | | 930 | 120 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Pyrene | 4000 | | 930 | 110 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Phenanthrene | 3000 | | 930 | 140 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | | 69 | | 54 - 120 | | | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| 2-Fluorobiphenyl | | 87 | | 60 - 120 | | | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| 2-Fluorophenol (Surr) | | 79 | | 52 - 120 | | | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Phenol-d5 (Surr) | | 89 | | 54 - 120 | | | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| p-Terphenyl-d14 (Surr) | | 111 | | 65 - 121 | | | 03/06/19 07:22 | 03/08/19 15:34 | 5 |
| Nitrobenzene-d5 (Surr) | | 81 | | 53 - 120 | | | 03/06/19 07:22 | 03/08/19 15:34 | 5 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----------|---------------|-------|---|-----------------|-----------------|----------------|
| PCB-1016 | ND | F1 F2 | 0.28 | 0.054 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:20 | 1 |
| PCB-1221 | ND | | 0.28 | 0.054 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:20 | 1 |
| PCB-1232 | ND | | 0.28 | 0.054 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:20 | 1 |
| PCB-1242 | ND | | 0.28 | 0.054 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:20 | 1 |
| PCB-1248 | ND | | 0.28 | 0.054 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:20 | 1 |
| PCB-1254 | ND | | 0.28 | 0.13 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:20 | 1 |
| PCB-1260 | ND | F2 | 0.28 | 0.13 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:20 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| Tetrachloro-m-xylene | | 64 | | 60 - 154 | | | 03/06/19 14:30 | 03/07/19 18:20 | 1 |
| DCB Decachlorobiphenyl | | 66 | | 65 - 174 | | | 03/06/19 14:30 | 03/07/19 18:20 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 7.7 | F1 | 2.3 | 0.45 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 12:46 | 1 |
| Barium | 177 | | 0.57 | 0.12 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 12:46 | 1 |
| Cadmium | 0.56 | F1 | 0.23 | 0.034 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 12:46 | 1 |
| Chromium | 12.0 | F2 | 0.57 | 0.23 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 12:46 | 1 |
| Lead | 568 | F2 | 1.1 | 0.27 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 12:46 | 1 |
| Selenium | 1.3 | J F1 | 4.5 | 0.45 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 12:46 | 1 |
| Silver | ND | | 0.68 | 0.23 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 12:46 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-2 (3-5)

Date Collected: 02/27/19 09:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-1

Matrix: Solid

Percent Solids: 89.6

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.65 | F1 | 0.020 | 0.0082 | mg/Kg | ☀ | 03/06/19 13:06 | 03/06/19 16:23 | 1 |

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-3 (2-4)

Date Collected: 02/27/19 09:30

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-2

Matrix: Solid

Percent Solids: 78.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----------|---------------|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 3500 | | 1100 | 160 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Acenaphthylene | ND | | 1100 | 140 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Anthracene | 7500 | | 1100 | 260 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Benzo[a]anthracene | 9900 | | 1100 | 110 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Benzo[a]pyrene | 8200 | | 1100 | 160 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Benzo[b]fluoranthene | 9400 | | 1100 | 170 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Benzo[g,h,i]perylene | 4700 | | 1100 | 110 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Benzo[k]fluoranthene | 4500 | | 1100 | 140 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Chrysene | 8900 | | 1100 | 240 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Dibenz(a,h)anthracene | 1200 | | 1100 | 190 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Fluoranthene | 20000 | | 1100 | 110 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Fluorene | 3500 | | 1100 | 130 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Indeno[1,2,3-cd]pyrene | 4300 | | 1100 | 130 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Naphthalene | 590 | J | 1100 | 140 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Pyrene | 17000 | | 1100 | 130 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Phenanthrene | 21000 | | 1100 | 160 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | | 52 | X | 54 - 120 | | | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| 2-Fluorobiphenyl | | 95 | | 60 - 120 | | | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| 2-Fluorophenol (Surr) | | 85 | | 52 - 120 | | | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Phenol-d5 (Surr) | | 86 | | 54 - 120 | | | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| p-Terphenyl-d14 (Surr) | | 116 | | 65 - 121 | | | 03/06/19 07:22 | 03/08/19 16:02 | 5 |
| Nitrobenzene-d5 (Surr) | | 87 | | 53 - 120 | | | 03/06/19 07:22 | 03/08/19 16:02 | 5 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 6.8 | | 2.6 | 0.52 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:06 | 1 |
| Barium | 130 | | 0.65 | 0.14 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:06 | 1 |
| Cadmium | 0.42 | | 0.26 | 0.039 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:06 | 1 |
| Chromium | 26.3 | | 0.65 | 0.26 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:06 | 1 |
| Lead | 151 | | 1.3 | 0.31 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:06 | 1 |
| Selenium | ND | | 5.2 | 0.52 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:06 | 1 |
| Silver | ND | | 0.78 | 0.26 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:06 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.20 | | 0.025 | 0.0099 | mg/Kg | ⊗ | 03/06/19 13:06 | 03/06/19 16:28 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-4 (1-3)

Date Collected: 02/27/19 10:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-3

Matrix: Solid

Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | ND | | 3900 | 570 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Acenaphthylene | ND | | 3900 | 510 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Anthracene | ND | | 3900 | 970 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Benzo[a]anthracene | 1200 | J | 3900 | 390 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Benzo[a]pyrene | 1200 | J | 3900 | 570 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Benzo[b]fluoranthene | 1800 | J | 3900 | 620 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Benzo[g,h,i]perylene | 1200 | J | 3900 | 410 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Benzo[k]fluoranthene | ND | | 3900 | 510 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Chrysene | 1600 | J | 3900 | 870 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Dibenz(a,h)anthracene | ND | | 3900 | 690 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Fluoranthene | 2800 | J | 3900 | 410 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Fluorene | ND | | 3900 | 460 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Indeno[1,2,3-cd]pyrene | 1000 | J | 3900 | 480 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Naphthalene | ND | | 3900 | 510 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Pyrene | 2400 | J | 3900 | 460 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Phenanthrene | 1300 | J | 3900 | 570 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 0 | X | 54 - 120 | | | | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| 2-Fluorobiphenyl | 72 | | 60 - 120 | | | | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| 2-Fluorophenol (Surr) | 74 | | 52 - 120 | | | | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Phenol-d5 (Surr) | 80 | | 54 - 120 | | | | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| p-Terphenyl-d14 (Surr) | 104 | | 65 - 121 | | | | 03/06/19 07:22 | 03/08/19 16:30 | 20 |
| Nitrobenzene-d5 (Surr) | 76 | | 53 - 120 | | | | 03/06/19 07:22 | 03/08/19 16:30 | 20 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 8.7 | | 2.4 | 0.47 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:10 | 1 |
| Barium | 191 | | 0.59 | 0.13 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:10 | 1 |
| Cadmium | 0.42 | | 0.24 | 0.035 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:10 | 1 |
| Chromium | 27.2 | | 0.59 | 0.24 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:10 | 1 |
| Lead | 143 | | 1.2 | 0.28 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:10 | 1 |
| Selenium | 2.0 | J | 4.7 | 0.47 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:10 | 1 |
| Silver | ND | | 0.71 | 0.24 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:10 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.097 | | 0.024 | 0.0097 | mg/Kg | ⊗ | 03/06/19 13:06 | 03/06/19 16:29 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-5 (3-5)

Date Collected: 02/27/19 10:30

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-4

Matrix: Solid

Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-----------|---------------|-------|-----------------|----------------|-----------------|----------------|
| Acenaphthene | ND | | 4000 | 590 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Acenaphthylene | ND | | 4000 | 520 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Anthracene | ND | | 4000 | 990 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Benzo[a]anthracene | 2300 | J | 4000 | 400 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Benzo[a]pyrene | 2000 | J | 4000 | 590 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Benzo[b]fluoranthene | 2800 | J | 4000 | 640 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Benzo[g,h,i]perylene | 1500 | J | 4000 | 430 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Benzo[k]fluoranthene | 1600 | J | 4000 | 520 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Chrysene | 2700 | J | 4000 | 900 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Dibenz(a,h)anthracene | ND | | 4000 | 710 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Fluoranthene | 5600 | | 4000 | 430 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Fluorene | ND | | 4000 | 470 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Indeno[1,2,3-cd]pyrene | 1300 | J | 4000 | 500 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Naphthalene | ND | | 4000 | 520 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Pyrene | 4500 | | 4000 | 470 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Phenanthrene | 4000 | | 4000 | 590 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 16:57 | 20 |
| Surrogate | | %Recovery | Qualifier | Limits | | Prepared | | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | | 0 | X | 54 - 120 | | 03/06/19 07:22 | | 03/08/19 16:57 | 20 |
| 2-Fluorobiphenyl | | 81 | | 60 - 120 | | 03/06/19 07:22 | | 03/08/19 16:57 | 20 |
| 2-Fluorophenol (Surr) | | 84 | | 52 - 120 | | 03/06/19 07:22 | | 03/08/19 16:57 | 20 |
| Phenol-d5 (Surr) | | 91 | | 54 - 120 | | 03/06/19 07:22 | | 03/08/19 16:57 | 20 |
| p-Terphenyl-d14 (Surr) | | 118 | | 65 - 121 | | 03/06/19 07:22 | | 03/08/19 16:57 | 20 |
| Nitrobenzene-d5 (Surr) | | 82 | | 53 - 120 | | 03/06/19 07:22 | | 03/08/19 16:57 | 20 |

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----------|---------------|-------|-----------------|----------------|-----------------|----------------|
| PCB-1016 | ND | | 0.30 | 0.058 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:36 | 1 |
| PCB-1221 | ND | | 0.30 | 0.058 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:36 | 1 |
| PCB-1232 | ND | | 0.30 | 0.058 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:36 | 1 |
| PCB-1242 | ND | | 0.30 | 0.058 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:36 | 1 |
| PCB-1248 | ND | | 0.30 | 0.058 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:36 | 1 |
| PCB-1254 | ND | | 0.30 | 0.14 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:36 | 1 |
| PCB-1260 | ND | | 0.30 | 0.14 | mg/Kg | ⊗ | 03/06/19 14:30 | 03/07/19 18:36 | 1 |
| Surrogate | | %Recovery | Qualifier | Limits | | Prepared | | Analyzed | Dil Fac |
| Tetrachloro-m-xylene | | 57 | X | 60 - 154 | | 03/06/19 14:30 | | 03/07/19 18:36 | 1 |
| DCB Decachlorobiphenyl | | 56 | X | 65 - 174 | | 03/06/19 14:30 | | 03/07/19 18:36 | 1 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 6.3 | | 2.4 | 0.47 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:26 | 1 |
| Barium | 173 | | 0.59 | 0.13 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:26 | 1 |
| Cadmium | 0.43 | | 0.24 | 0.036 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:26 | 1 |
| Chromium | 15.6 | | 0.59 | 0.24 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:26 | 1 |
| Lead | 162 | | 1.2 | 0.28 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:26 | 1 |
| Selenium | 0.59 | J | 4.7 | 0.47 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:26 | 1 |
| Silver | ND | | 0.71 | 0.24 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:26 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-5 (3-5)

Date Collected: 02/27/19 10:30

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-4

Matrix: Solid

Percent Solids: 82.3

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.25 | | 0.025 | 0.010 | mg/Kg | ☀ | 03/06/19 13:06 | 03/06/19 16:30 | 1 |

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-8 (3-5)

Date Collected: 02/27/19 13:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-5

Matrix: Solid

Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | ND | | 4000 | 580 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Acenaphthylene | ND | | 4000 | 510 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Anthracene | ND | | 4000 | 980 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Benzo[a]anthracene | ND | | 4000 | 400 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Benzo[a]pyrene | ND | | 4000 | 580 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Benzo[b]fluoranthene | 770 J | | 4000 | 630 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Benzo[g,h,i]perylene | 530 J | | 4000 | 420 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Benzo[k]fluoranthene | ND | | 4000 | 510 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Chrysene | ND | | 4000 | 880 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Dibenz(a,h)anthracene | ND | | 4000 | 700 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Fluoranthene | 1200 J | | 4000 | 420 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Fluorene | ND | | 4000 | 470 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Indeno[1,2,3-cd]pyrene | ND | | 4000 | 490 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Naphthalene | ND | | 4000 | 510 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Pyrene | 1100 J | | 4000 | 470 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Phenanthrene | ND | | 4000 | 580 | ug/Kg | ⊗ | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 0 | X | 54 - 120 | | | | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| 2-Fluorobiphenyl | 66 | | 60 - 120 | | | | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| 2-Fluorophenol (Surr) | 81 | | 52 - 120 | | | | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Phenol-d5 (Surr) | 80 | | 54 - 120 | | | | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| p-Terphenyl-d14 (Surr) | 97 | | 65 - 121 | | | | 03/06/19 07:22 | 03/08/19 17:25 | 20 |
| Nitrobenzene-d5 (Surr) | 75 | | 53 - 120 | | | | 03/06/19 07:22 | 03/08/19 17:25 | 20 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|---------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 6.9 | | 2.4 | 0.48 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:29 | 1 |
| Barium | 102 | | 0.59 | 0.13 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:29 | 1 |
| Cadmium | 0.57 | | 0.24 | 0.036 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:29 | 1 |
| Chromium | 30.2 | | 0.59 | 0.24 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:29 | 1 |
| Lead | 424 | | 1.2 | 0.29 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:29 | 1 |
| Selenium | 0.97 J | | 4.8 | 0.48 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:29 | 1 |
| Silver | ND | | 0.71 | 0.24 | mg/Kg | ⊗ | 03/06/19 10:49 | 03/07/19 13:29 | 1 |

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|-------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.47 | | 0.023 | 0.0091 | mg/Kg | ⊗ | 03/06/19 13:06 | 03/06/19 16:32 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-9 (3-5)

Date Collected: 02/27/19 14:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-6

Matrix: Solid

Percent Solids: 79.6

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-------------|----------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane | ND | vs | 6.2 | 0.45 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | F1 vs | 6.2 | 1.0 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | vs | 6.2 | 1.4 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,1,2-Trichloroethane | ND | vs | 6.2 | 0.81 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,1-Dichloroethane | ND | vs | 6.2 | 0.76 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,1-Dichloroethene | ND | vs | 6.2 | 0.76 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,2,4-Trichlorobenzene | ND | F1 vs | 6.2 | 0.38 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,2,4-Trimethylbenzene | 1.7 | J F1 vs | 6.2 | 1.2 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | F1 vs | 6.2 | 3.1 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,2-Dichlorobenzene | ND | F1 vs | 6.2 | 0.49 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,2-Dichloroethane | ND | vs | 6.2 | 0.31 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,2-Dichloropropane | ND | vs | 6.2 | 3.1 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,3,5-Trimethylbenzene | ND | F1 vs | 6.2 | 0.40 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,3-Dichlorobenzene | ND | F1 vs | 6.2 | 0.32 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,4-Dichlorobenzene | ND | F1 vs | 6.2 | 0.87 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 2-Hexanone | ND | F1 vs | 31 | 3.1 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 4-Isopropyltoluene | ND | F1 vs | 6.2 | 0.50 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Acetone | 20 | J vs | 31 | 5.3 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Benzene | 0.41 | J vs | 6.2 | 0.31 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Bromoform | ND | F1 vs | 6.2 | 3.1 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Bromomethane | ND | vs | 6.2 | 0.56 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Carbon disulfide | ND | vs | 6.2 | 3.1 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Carbon tetrachloride | ND | vs | 6.2 | 0.60 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Chlorobenzene | ND | F1 vs | 6.2 | 0.82 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Dibromochloromethane | ND | F1 vs | 6.2 | 0.80 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Chloroethane | ND | * vs | 6.2 | 1.4 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Chloroform | 0.49 | J B vs | 6.2 | 0.39 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Chloromethane | ND | vs | 6.2 | 0.38 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| cis-1,2-Dichloroethene | ND | vs | 6.2 | 0.80 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| cis-1,3-Dichloropropene | ND | vs | 6.2 | 0.90 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Cyclohexane | ND | vs | 6.2 | 0.87 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Bromodichloromethane | ND | vs | 6.2 | 0.84 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Dichlorodifluoromethane | ND | vs | 6.2 | 0.52 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Ethylbenzene | ND | F1 vs | 6.2 | 0.43 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 1,2-Dibromoethane | ND | F1 vs | 6.2 | 0.80 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Isopropylbenzene | 7.6 | F1 vs | 6.2 | 0.94 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Methyl acetate | ND | vs | 31 | 3.8 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 2-Butanone (MEK) | 4.4 | J F1 vs | 31 | 2.3 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | F1 vs | 31 | 2.0 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Methyl tert-butyl ether | ND | vs | 6.2 | 0.61 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Methylcyclohexane | ND | F1 vs | 6.2 | 0.95 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Methylene Chloride | 9.5 | B vs | 6.2 | 2.9 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| m,p-Xylene | 1.6 | J F1 vs | 12 | 1.0 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| n-Butylbenzene | ND | F1 vs | 6.2 | 0.54 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| N-Propylbenzene | 3.4 | J F1 vs | 6.2 | 0.50 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| o-Xylene | ND | F1 vs | 6.2 | 0.82 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| sec-Butylbenzene | 5.9 | J F1 vs | 6.2 | 0.54 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Styrene | ND | F1 vs | 6.2 | 0.31 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| tert-Butylbenzene | 2.3 | J F1 vs | 6.2 | 0.65 | ug/Kg | ⊗ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-9 (3-5)

Date Collected: 02/27/19 14:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-6

Matrix: Solid

Percent Solids: 79.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|-----------|---------------|--------------|----------|-----------------------|-----------------------|----------------|
| Tetrachloroethene | ND | F1 vs | 6.2 | 0.84 | ug/Kg | ☀ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Toluene | ND | vs | 6.2 | 0.47 | ug/Kg | ☀ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| trans-1,2-Dichloroethene | ND | vs | 6.2 | 0.64 | ug/Kg | ☀ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| trans-1,3-Dichloropropene | ND | F1 vs | 6.2 | 2.7 | ug/Kg | ☀ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Trichloroethene | ND | vs | 6.2 | 1.4 | ug/Kg | ☀ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Trichlorofluoromethane | ND | vs | 6.2 | 0.59 | ug/Kg | ☀ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Vinyl chloride | ND | vs | 6.2 | 0.76 | ug/Kg | ☀ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Xylenes, Total | 1.6 | J F1 vs | 12 | 1.0 | ug/Kg | ☀ | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Surrogate | %Recovery | Qualifier | | Limits | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | | 64 - 126 | | | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| Toluene-d8 (Surr) | 96 | | | 71 - 125 | | | 03/05/19 20:52 | 03/06/19 01:12 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | | 72 - 126 | | | 03/05/19 20:52 | 03/06/19 01:12 | 1 |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|-------------|---------------|--------------|----------|-----------------------|-----------------------|----------------|
| Acenaphthene | ND | | 4200 | 620 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Acenaphthylene | ND | | 4200 | 540 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Anthracene | ND | | 4200 | 1000 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Benzo[a]anthracene | 440 | J | 4200 | 420 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Benzo[a]pyrene | ND | | 4200 | 620 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Benzo[b]fluoranthene | 940 | J | 4200 | 670 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Benzo[g,h,i]perylene | 620 | J | 4200 | 440 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Benzo[k]fluoranthene | ND | | 4200 | 540 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Chrysene | ND | | 4200 | 940 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Dibenz(a,h)anthracene | ND | | 4200 | 740 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Fluoranthene | 1700 | J | 4200 | 440 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Fluorene | ND | | 4200 | 490 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Indeno[1,2,3-cd]pyrene | 540 | J | 4200 | 520 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Naphthalene | ND | | 4200 | 540 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Pyrene | 1300 | J | 4200 | 490 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Phenanthrene | ND | | 4200 | 620 | ug/Kg | ☀ | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Surrogate | %Recovery | Qualifier | | Limits | | | Prepared | Analyzed | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 0 | X | | 54 - 120 | | | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| 2-Fluorobiphenyl | 51 | X | | 60 - 120 | | | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| 2-Fluorophenol (Surr) | 60 | | | 52 - 120 | | | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Phenol-d5 (Surr) | 64 | | | 54 - 120 | | | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| p-Terphenyl-d14 (Surr) | 78 | | | 65 - 121 | | | 03/06/19 07:22 | 03/08/19 17:53 | 20 |
| Nitrobenzene-d5 (Surr) | 58 | | | 53 - 120 | | | 03/06/19 07:22 | 03/08/19 17:53 | 20 |

Method: 6010C - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic | 3.6 | | 2.5 | 0.50 | mg/Kg | ☀ | 03/06/19 10:49 | 03/07/19 13:33 | 1 |
| Barium | 116 | | 0.63 | 0.14 | mg/Kg | ☀ | 03/06/19 10:49 | 03/07/19 13:33 | 1 |
| Cadmium | 0.22 | J | 0.25 | 0.038 | mg/Kg | ☀ | 03/06/19 10:49 | 03/07/19 13:33 | 1 |
| Chromium | 7.0 | | 0.63 | 0.25 | mg/Kg | ☀ | 03/06/19 10:49 | 03/07/19 13:33 | 1 |
| Lead | 44.1 | | 1.3 | 0.30 | mg/Kg | ☀ | 03/06/19 10:49 | 03/07/19 13:33 | 1 |
| Selenium | 0.93 | J | 5.0 | 0.50 | mg/Kg | ☀ | 03/06/19 10:49 | 03/07/19 13:33 | 1 |
| Silver | ND | | 0.75 | 0.25 | mg/Kg | ☀ | 03/06/19 10:49 | 03/07/19 13:33 | 1 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-9 (3-5)

Date Collected: 02/27/19 14:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-6

Matrix: Solid

Percent Solids: 79.6

Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.041 | | 0.025 | 0.010 | mg/Kg | | 03/06/19 13:06 | 03/06/19 16:36 | 1 |

Surrogate Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|--------------------|--------------------|--|-----------------|-----------------|
| | | DCA (64-126) | TOL (71-125) | BFB (72-126) |
| 480-149734-6 | SB-9 (3-5) | 108 | 96 | 93 |
| 480-149734-6 MS | SB-9 (3-5) | 96 | 95 | 94 |
| 480-149734-6 MSD | SB-9 (3-5) | 95 | 99 | 93 |
| LCS 480-461683/1-A | Lab Control Sample | 107 | 98 | 108 |
| MB 480-461683/2-A | Method Blank | 108 | 100 | 103 |

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|--------------------|--------------------|--|-----------------|-----------------|-----------------|--------------------|-----------------|
| | | TBP (54-120) | FBP (60-120) | 2FP (52-120) | PHL (54-120) | TPHd14 (65-121) | NBZ (53-120) |
| 480-149734-1 | SB-2 (3-5) | 69 | 87 | 79 | 89 | 111 | 81 |
| 480-149734-2 | SB-3 (2-4) | 52 X | 95 | 85 | 86 | 116 | 87 |
| 480-149734-3 | SB-4 (1-3) | 0 X | 72 | 74 | 80 | 104 | 76 |
| 480-149734-4 | SB-5 (3-5) | 0 X | 81 | 84 | 91 | 118 | 82 |
| 480-149734-5 | SB-8 (3-5) | 0 X | 66 | 81 | 80 | 97 | 75 |
| 480-149734-6 | SB-9 (3-5) | 0 X | 51 X | 60 | 64 | 78 | 58 |
| LCS 480-461693/2-A | Lab Control Sample | 100 | 104 | 83 | 92 | 111 | 93 |
| MB 480-461693/1-A | Method Blank | 67 | 91 | 78 | 86 | 112 | 86 |

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

NBZ = Nitrobenzene-d5 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | |
|--------------------|--------------------|--|-------------------|
| | | TCX2 (60-154) | DCBP2 (65-174) |
| 480-149734-1 | SB-2 (3-5) | 64 | 66 |
| 480-149734-1 MS | SB-2 (3-5) | 53 X | 58 X |
| 480-149734-1 MSD | SB-2 (3-5) | 71 | 74 |
| 480-149734-4 | SB-5 (3-5) | 57 X | 56 X |
| LCS 480-461833/2-A | Lab Control Sample | 88 | 89 |
| MB 480-461833/1-A | Method Blank | 77 | 73 |

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-461683/2-A

Matrix: Solid

Analysis Batch: 461667

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461683

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------------|-----------------|-----|------|-------|----------------|----------------|----------------|---------|
| 1,1,1-Trichloroethane | ND | | 5.0 | 0.36 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 0.81 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 5.0 | 1.1 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,1,2-Trichloroethane | ND | | 5.0 | 0.65 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,1-Dichloroethane | ND | | 5.0 | 0.61 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,1-Dichloroethene | ND | | 5.0 | 0.61 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | 0.30 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 5.0 | 0.96 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.0 | 2.5 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,2-Dichlorobenzene | ND | | 5.0 | 0.39 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,2-Dichloroethane | ND | | 5.0 | 0.25 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,2-Dichloropropane | ND | | 5.0 | 2.5 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 5.0 | 0.32 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,3-Dichlorobenzene | ND | | 5.0 | 0.26 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,4-Dichlorobenzene | ND | | 5.0 | 0.70 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 2-Hexanone | ND | | 25 | 2.5 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 4-Isopropyltoluene | ND | | 5.0 | 0.40 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Acetone | ND | | 25 | 4.2 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Benzene | ND | | 5.0 | 0.25 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Bromoform | ND | | 5.0 | 2.5 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Bromomethane | ND | | 5.0 | 0.45 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Carbon disulfide | ND | | 5.0 | 2.5 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Carbon tetrachloride | ND | | 5.0 | 0.48 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Chlorobenzene | ND | | 5.0 | 0.66 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Dibromochloromethane | ND | | 5.0 | 0.64 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Chloroethane | ND | | 5.0 | 1.1 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Chloroform | 0.312 | J | 5.0 | 0.31 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Chloromethane | ND | | 5.0 | 0.30 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| cis-1,2-Dichloroethene | ND | | 5.0 | 0.64 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.72 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Cyclohexane | ND | | 5.0 | 0.70 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Bromodichloromethane | ND | | 5.0 | 0.67 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Dichlorodifluoromethane | ND | | 5.0 | 0.41 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Ethylbenzene | ND | | 5.0 | 0.35 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 1,2-Dibromoethane | ND | | 5.0 | 0.64 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Isopropylbenzene | ND | | 5.0 | 0.75 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Methyl acetate | ND | | 25 | 3.0 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 2-Butanone (MEK) | ND | | 25 | 1.8 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 25 | 1.6 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Methyl tert-butyl ether | ND | | 5.0 | 0.49 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Methylcyclohexane | ND | | 5.0 | 0.76 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Methylene Chloride | 4.37 | J | 5.0 | 2.3 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| m,p-Xylene | ND | | 10 | 0.84 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| n-Butylbenzene | ND | | 5.0 | 0.44 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| N-Propylbenzene | ND | | 5.0 | 0.40 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| o-Xylene | ND | | 5.0 | 0.65 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| sec-Butylbenzene | ND | | 5.0 | 0.44 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |
| Styrene | ND | | 5.0 | 0.25 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 03/06/19 00:05 | 1 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-461683/2-A

Matrix: Solid

Analysis Batch: 461667

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461683

| Analyte | MB | | RL | MDL | Unit | D | Prepared | | Dil Fac |
|------------------------------|-----------|-----------|----------|------|-------|----------------|----------------|----------|---------|
| | Result | Qualifier | | | | | Prepared | Analyzed | |
| tert-Butylbenzene | ND | | 5.0 | 0.52 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| Tetrachloroethene | ND | | 5.0 | 0.67 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| Toluene | ND | | 5.0 | 0.38 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.52 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| trans-1,3-Dichloropropene | ND | | 5.0 | 2.2 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| Trichloroethene | ND | | 5.0 | 1.1 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| Trichlorofluoromethane | ND | | 5.0 | 0.47 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| Vinyl chloride | ND | | 5.0 | 0.61 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| Xylenes, Total | ND | | 10 | 0.84 | ug/Kg | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| MB | | MB | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac | |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 64 - 126 | | | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| Toluene-d8 (Surr) | 100 | | 71 - 125 | | | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |
| 4-Bromofluorobenzene (Surr) | 103 | | 72 - 126 | | | 03/05/19 20:52 | 03/06/19 00:05 | 1 | |

Lab Sample ID: LCS 480-461683/1-A

Matrix: Solid

Analysis Batch: 461667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461683

| Analyte | Spike Added | LCS | | Unit | D | %Rec | Limits |
|---|----------------|--------|-----------|-------|---|------|----------|
| | | Result | Qualifier | | | | |
| 1,1,1-Trichloroethane | 50.0 | 49.6 | | ug/Kg | | 99 | 77 - 121 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 43.4 | | ug/Kg | | 87 | 80 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | 50.0 | 49.4 | | ug/Kg | | 99 | 60 - 140 |
| 1,1,2-Trichloroethane | 50.0 | 45.1 | | ug/Kg | | 90 | 78 - 122 |
| 1,1-Dichloroethane | 50.0 | 49.7 | | ug/Kg | | 99 | 73 - 126 |
| 1,1-Dichloroethene | 50.0 | 49.5 | | ug/Kg | | 99 | 59 - 125 |
| 1,2,4-Trichlorobenzene | 50.0 | 43.4 | | ug/Kg | | 87 | 64 - 120 |
| 1,2,4-Trimethylbenzene | 50.0 | 40.4 | | ug/Kg | | 81 | 74 - 120 |
| 1,2-Dibromo-3-Chloropropane | 50.0 | 38.7 | | ug/Kg | | 77 | 63 - 124 |
| 1,2-Dichlorobenzene | 50.0 | 41.4 | | ug/Kg | | 83 | 75 - 120 |
| 1,2-Dichloroethane | 50.0 | 49.7 | | ug/Kg | | 99 | 77 - 122 |
| 1,2-Dichloropropane | 50.0 | 48.7 | | ug/Kg | | 97 | 75 - 124 |
| 1,3,5-Trimethylbenzene | 50.0 | 40.2 | | ug/Kg | | 80 | 74 - 120 |
| 1,3-Dichlorobenzene | 50.0 | 42.0 | | ug/Kg | | 84 | 74 - 120 |
| 1,4-Dichlorobenzene | 50.0 | 41.9 | | ug/Kg | | 84 | 73 - 120 |
| 2-Hexanone | 250 | 244 | | ug/Kg | | 98 | 59 - 130 |
| 4-Isopropyltoluene | 50.0 | 40.5 | | ug/Kg | | 81 | 74 - 120 |
| Acetone | 250 | 281 | | ug/Kg | | 112 | 61 - 137 |
| Benzene | 50.0 | 49.7 | | ug/Kg | | 99 | 79 - 127 |
| Bromoform | 50.0 | 48.0 | | ug/Kg | | 96 | 68 - 126 |
| Bromomethane | 50.0 | 39.5 | | ug/Kg | | 79 | 37 - 149 |
| Carbon disulfide | 50.0 | 48.4 | | ug/Kg | | 97 | 64 - 131 |
| Carbon tetrachloride | 50.0 | 49.6 | | ug/Kg | | 99 | 75 - 135 |
| Chlorobenzene | 50.0 | 44.3 | | ug/Kg | | 89 | 76 - 124 |
| Dibromochloromethane | 50.0 | 45.7 | | ug/Kg | | 91 | 76 - 125 |
| Chloroethane | 50.0 | 32.7 * | | ug/Kg | | 65 | 69 - 135 |
| Chloroform | 50.0 | 50.1 | | ug/Kg | | 100 | 80 - 120 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-461683/1-A

Matrix: Solid

Analysis Batch: 461667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461683

| Analyte | Spike | | LCS | | Unit | D | %Rec | Limits |
|-----------------------------|-------|--------|-----------|-------|------|-----|----------|--------|
| | Added | Result | Qualifier | LCS | | | | |
| Chloromethane | 50.0 | 49.2 | | ug/Kg | | 98 | 63 - 127 | |
| cis-1,2-Dichloroethene | 50.0 | 50.2 | | ug/Kg | | 100 | 81 - 120 | |
| cis-1,3-Dichloropropene | 50.0 | 48.2 | | ug/Kg | | 96 | 80 - 120 | |
| Cyclohexane | 50.0 | 43.9 | | ug/Kg | | 88 | 65 - 120 | |
| Bromodichloromethane | 50.0 | 48.1 | | ug/Kg | | 96 | 80 - 122 | |
| Dichlorodifluoromethane | 50.0 | 49.1 | | ug/Kg | | 98 | 57 - 142 | |
| Ethylbenzene | 50.0 | 43.8 | | ug/Kg | | 88 | 80 - 120 | |
| 1,2-Dibromoethane | 50.0 | 46.1 | | ug/Kg | | 92 | 78 - 120 | |
| Isopropylbenzene | 50.0 | 39.8 | | ug/Kg | | 80 | 72 - 120 | |
| Methyl acetate | 100 | 93.4 | | ug/Kg | | 93 | 55 - 136 | |
| 2-Butanone (MEK) | 250 | 278 | | ug/Kg | | 111 | 70 - 134 | |
| 4-Methyl-2-pentanone (MIBK) | 250 | 238 | | ug/Kg | | 95 | 65 - 133 | |
| Methyl tert-butyl ether | 50.0 | 51.1 | | ug/Kg | | 102 | 63 - 125 | |
| Methylcyclohexane | 50.0 | 45.7 | | ug/Kg | | 91 | 60 - 140 | |
| Methylene Chloride | 50.0 | 49.2 | | ug/Kg | | 98 | 61 - 127 | |
| m,p-Xylene | 50.0 | 43.5 | | ug/Kg | | 87 | 70 - 130 | |
| n-Butylbenzene | 50.0 | 39.7 | | ug/Kg | | 79 | 70 - 120 | |
| N-Propylbenzene | 50.0 | 40.8 | | ug/Kg | | 82 | 70 - 130 | |
| o-Xylene | 50.0 | 42.9 | | ug/Kg | | 86 | 70 - 130 | |
| sec-Butylbenzene | 50.0 | 39.9 | | ug/Kg | | 80 | 74 - 120 | |
| Styrene | 50.0 | 41.5 | | ug/Kg | | 83 | 80 - 120 | |
| tert-Butylbenzene | 50.0 | 39.9 | | ug/Kg | | 80 | 73 - 120 | |
| Tetrachloroethene | 50.0 | 45.9 | | ug/Kg | | 92 | 74 - 122 | |
| Toluene | 50.0 | 44.0 | | ug/Kg | | 88 | 74 - 128 | |
| trans-1,2-Dichloroethene | 50.0 | 51.5 | | ug/Kg | | 103 | 78 - 126 | |
| trans-1,3-Dichloropropene | 50.0 | 44.5 | | ug/Kg | | 89 | 73 - 123 | |
| Trichloroethene | 50.0 | 49.5 | | ug/Kg | | 99 | 77 - 129 | |
| Trichlorofluoromethane | 50.0 | 41.8 | | ug/Kg | | 84 | 65 - 146 | |
| Vinyl chloride | 50.0 | 50.8 | | ug/Kg | | 102 | 61 - 133 | |

| Surrogate | LCS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 107 | | 64 - 126 |
| Toluene-d8 (Surr) | 98 | | 71 - 125 |
| 4-Bromofluorobenzene (Surr) | 108 | | 72 - 126 |

Lab Sample ID: 480-149734-6 MS

Matrix: Solid

Analysis Batch: 461667

Client Sample ID: SB-9 (3-5)

Prep Type: Total/NA

Prep Batch: 461683

| Analyte | Sample | Sample | Spike | MS | | Unit | D | %Rec | Limits |
|---------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| 1,1,1-Trichloroethane | ND | vs | 62.7 | 58.9 | vs | ug/Kg | ⊗ | 94 | 77 - 121 |
| 1,1,2,2-Tetrachloroethane | ND | F1 vs | 62.7 | 51.8 | vs | ug/Kg | ⊗ | 83 | 80 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | vs | 62.7 | 57.7 | vs | ug/Kg | ⊗ | 92 | 60 - 140 |
| 1,1,2-Trichloroethane | ND | vs | 62.7 | 60.8 | vs | ug/Kg | ⊗ | 97 | 78 - 122 |
| 1,1-Dichloroethane | ND | vs | 62.7 | 60.4 | vs | ug/Kg | ⊗ | 96 | 73 - 126 |
| 1,1-Dichloroethene | ND | vs | 62.7 | 59.9 | vs | ug/Kg | ⊗ | 96 | 59 - 125 |
| 1,2,4-Trichlorobenzene | ND | F1 vs | 62.7 | 19.6 | F1 vs | ug/Kg | ⊗ | 31 | 64 - 120 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-149734-6 MS

Matrix: Solid

Analysis Batch: 461667

Client Sample ID: SB-9 (3-5)

Prep Type: Total/NA

Prep Batch: 461683

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | Limits | %Rec. |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | |
| 1,2,4-Trimethylbenzene | 1.7 | J F1 vs | 62.7 | 46.9 | F1 vs | ug/Kg | ⊗ | 72 | 74 - 120 | |
| 1,2-Dibromo-3-Chloropropane | ND | F1 vs | 62.7 | 31.2 | F1 vs | ug/Kg | ⊗ | 50 | 63 - 124 | |
| 1,2-Dichlorobenzene | ND | F1 vs | 62.7 | 37.2 | F1 vs | ug/Kg | ⊗ | 59 | 75 - 120 | |
| 1,2-Dichloroethane | ND | vs | 62.7 | 55.1 | vs | ug/Kg | ⊗ | 88 | 77 - 122 | |
| 1,2-Dichloropropane | ND | vs | 62.7 | 58.2 | vs | ug/Kg | ⊗ | 93 | 75 - 124 | |
| 1,3,5-Trimethylbenzene | ND | F1 vs | 62.7 | 44.4 | F1 vs | ug/Kg | ⊗ | 71 | 74 - 120 | |
| 1,3-Dichlorobenzene | ND | F1 vs | 62.7 | 39.9 | F1 vs | ug/Kg | ⊗ | 64 | 74 - 120 | |
| 1,4-Dichlorobenzene | ND | F1 vs | 62.7 | 39.4 | F1 vs | ug/Kg | ⊗ | 63 | 73 - 120 | |
| 2-Hexanone | ND | F1 vs | 313 | 183 | F1 vs | ug/Kg | ⊗ | 58 | 59 - 130 | |
| 4-Isopropyltoluene | ND | F1 vs | 62.7 | 36.7 | F1 vs | ug/Kg | ⊗ | 58 | 74 - 120 | |
| Acetone | 20 | J vs | 313 | 240 | vs | ug/Kg | ⊗ | 70 | 61 - 137 | |
| Benzene | 0.41 | J vs | 62.7 | 60.6 | vs | ug/Kg | ⊗ | 96 | 79 - 127 | |
| Bromoform | ND | F1 vs | 62.7 | 39.9 | F1 vs | ug/Kg | ⊗ | 64 | 68 - 126 | |
| Bromomethane | ND | vs | 62.7 | 61.4 | vs | ug/Kg | ⊗ | 98 | 37 - 149 | |
| Carbon disulfide | ND | vs | 62.7 | 56.1 | vs | ug/Kg | ⊗ | 89 | 64 - 131 | |
| Carbon tetrachloride | ND | vs | 62.7 | 57.9 | vs | ug/Kg | ⊗ | 92 | 75 - 135 | |
| Chlorobenzene | ND | F1 vs | 62.7 | 47.5 | vs | ug/Kg | ⊗ | 76 | 76 - 124 | |
| Dibromochloromethane | ND | F1 vs | 62.7 | 46.4 | F1 vs | ug/Kg | ⊗ | 74 | 76 - 125 | |
| Chloroethane | ND | * vs | 62.7 | 54.5 | vs | ug/Kg | ⊗ | 87 | 69 - 135 | |
| Chloroform | 0.49 | J B vs | 62.7 | 61.1 | vs | ug/Kg | ⊗ | 97 | 80 - 120 | |
| Chloromethane | ND | vs | 62.7 | 57.1 | vs | ug/Kg | ⊗ | 91 | 63 - 127 | |
| cis-1,2-Dichloroethene | ND | vs | 62.7 | 60.2 | vs | ug/Kg | ⊗ | 96 | 80 - 120 | |
| cis-1,3-Dichloropropene | ND | vs | 62.7 | 55.0 | vs | ug/Kg | ⊗ | 88 | 80 - 120 | |
| Cyclohexane | ND | vs | 62.7 | 56.5 | vs | ug/Kg | ⊗ | 90 | 65 - 120 | |
| Bromodichloromethane | ND | vs | 62.7 | 57.9 | vs | ug/Kg | ⊗ | 92 | 80 - 122 | |
| Dichlorodifluoromethane | ND | vs | 62.7 | 58.6 | vs | ug/Kg | ⊗ | 93 | 57 - 142 | |
| Ethylbenzene | ND | F1 vs | 62.7 | 46.6 | F1 vs | ug/Kg | ⊗ | 74 | 80 - 120 | |
| 1,2-Dibromoethane | ND | F1 vs | 62.7 | 44.6 | F1 vs | ug/Kg | ⊗ | 71 | 78 - 120 | |
| Isopropylbenzene | 7.6 | F1 vs | 62.7 | 57.9 | vs | ug/Kg | ⊗ | 80 | 72 - 120 | |
| Methyl acetate | ND | vs | 125 | 83.6 | vs | ug/Kg | ⊗ | 67 | 55 - 136 | |
| 2-Butanone (MEK) | 4.4 | J F1 vs | 313 | 204 | F1 vs | ug/Kg | ⊗ | 64 | 70 - 134 | |
| 4-Methyl-2-pentanone (MIBK) | ND | F1 vs | 313 | 177 | F1 vs | ug/Kg | ⊗ | 57 | 65 - 133 | |
| Methyl tert-butyl ether | ND | vs | 62.7 | 55.5 | vs | ug/Kg | ⊗ | 89 | 63 - 125 | |
| Methylcyclohexane | ND | F1 vs | 62.7 | 44.7 | vs | ug/Kg | ⊗ | 71 | 60 - 140 | |
| Methylene Chloride | 9.5 | B vs | 62.7 | 61.7 | vs | ug/Kg | ⊗ | 83 | 61 - 127 | |
| m,p-Xylene | 1.6 | J F1 vs | 62.7 | 47.0 | vs | ug/Kg | ⊗ | 72 | 70 - 130 | |
| n-Butylbenzene | ND | F1 vs | 62.7 | 34.5 | F1 vs | ug/Kg | ⊗ | 55 | 70 - 120 | |
| N-Propylbenzene | 3.4 | J F1 vs | 62.7 | 51.3 | vs | ug/Kg | ⊗ | 76 | 70 - 130 | |
| o-Xylene | ND | F1 vs | 62.7 | 45.2 | vs | ug/Kg | ⊗ | 72 | 70 - 130 | |
| sec-Butylbenzene | 5.9 | J F1 vs | 62.7 | 41.2 | F1 vs | ug/Kg | ⊗ | 56 | 74 - 120 | |
| Styrene | ND | F1 vs | 62.7 | 41.9 | F1 vs | ug/Kg | ⊗ | 67 | 80 - 120 | |
| tert-Butylbenzene | 2.3 | J F1 vs | 62.7 | 43.1 | F1 vs | ug/Kg | ⊗ | 65 | 73 - 120 | |
| Tetrachloroethene | ND | F1 vs | 62.7 | 46.9 | vs | ug/Kg | ⊗ | 75 | 74 - 122 | |
| Toluene | ND | vs | 62.7 | 50.1 | vs | ug/Kg | ⊗ | 80 | 74 - 128 | |
| trans-1,2-Dichloroethene | ND | vs | 62.7 | 60.5 | vs | ug/Kg | ⊗ | 97 | 78 - 126 | |
| trans-1,3-Dichloropropene | ND | F1 vs | 62.7 | 44.4 | F1 vs | ug/Kg | ⊗ | 71 | 73 - 123 | |
| Trichloroethene | ND | vs | 62.7 | 58.5 | vs | ug/Kg | ⊗ | 93 | 77 - 129 | |
| Trichlorofluoromethane | ND | vs | 62.7 | 54.1 | vs | ug/Kg | ⊗ | 86 | 65 - 146 | |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-149734-6 MS

Matrix: Solid

Analysis Batch: 461667

Client Sample ID: SB-9 (3-5)

Prep Type: Total/NA

Prep Batch: 461683

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec. |
|------------------------------|--------|-----------|-----------|----------|-----------|-------|---|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Vinyl chloride | ND | vs | 62.7 | 59.2 | vs | ug/Kg | ⊗ | 94 | 61 - 133 |
| Surrogate | | | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 96 | %Recovery | Qualifier | Limits | | | | | |
| Toluene-d8 (Surr) | 95 | | | 64 - 126 | | | | | |
| 4-Bromofluorobenzene (Surr) | 94 | | | 71 - 125 | | | | | |
| | | | | | | | | | |

Lab Sample ID: 480-149734-6 MSD

Matrix: Solid

Analysis Batch: 461667

Client Sample ID: SB-9 (3-5)

Prep Type: Total/NA

Prep Batch: 461683

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | RPD | Limit |
|---------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | |
| 1,1,1-Trichloroethane | ND | vs | 62.6 | 55.3 | vs | ug/Kg | ⊗ | 88 | 77 - 121 | 6 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | F1 vs | 62.6 | 49.6 | F1 vs | ug/Kg | ⊗ | 79 | 80 - 120 | 4 | 30 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | vs | 62.6 | 52.7 | vs | ug/Kg | ⊗ | 84 | 60 - 140 | 9 | 30 |
| 1,1,2-Trichloroethane | ND | vs | 62.6 | 56.7 | vs | ug/Kg | ⊗ | 91 | 78 - 122 | 7 | 30 |
| 1,1-Dichloroethane | ND | vs | 62.6 | 58.9 | vs | ug/Kg | ⊗ | 94 | 73 - 126 | 3 | 30 |
| 1,1-Dichloroethene | ND | vs | 62.6 | 57.6 | vs | ug/Kg | ⊗ | 92 | 59 - 125 | 4 | 30 |
| 1,2,4-Trichlorobenzene | ND | F1 vs | 62.6 | 15.1 | F1 vs | ug/Kg | ⊗ | 24 | 64 - 120 | 26 | 30 |
| 1,2,4-Trimethylbenzene | 1.7 | J F1 vs | 62.6 | 40.6 | F1 vs | ug/Kg | ⊗ | 62 | 74 - 120 | 14 | 30 |
| 1,2-Dibromo-3-Chloropropane | ND | F1 vs | 62.6 | 28.0 | F1 vs | ug/Kg | ⊗ | 45 | 63 - 124 | 11 | 30 |
| 1,2-Dichlorobenzene | ND | F1 vs | 62.6 | 31.5 | F1 vs | ug/Kg | ⊗ | 50 | 75 - 120 | 17 | 30 |
| 1,2-Dichloroethane | ND | vs | 62.6 | 53.2 | vs | ug/Kg | ⊗ | 85 | 77 - 122 | 4 | 30 |
| 1,2-Dichloropropane | ND | vs | 62.6 | 55.3 | vs | ug/Kg | ⊗ | 88 | 75 - 124 | 5 | 30 |
| 1,3,5-Trimethylbenzene | ND | F1 vs | 62.6 | 39.5 | F1 vs | ug/Kg | ⊗ | 63 | 74 - 120 | 12 | 30 |
| 1,3-Dichlorobenzene | ND | F1 vs | 62.6 | 33.8 | F1 vs | ug/Kg | ⊗ | 54 | 74 - 120 | 17 | 30 |
| 1,4-Dichlorobenzene | ND | F1 vs | 62.6 | 33.4 | F1 vs | ug/Kg | ⊗ | 53 | 73 - 120 | 17 | 30 |
| 2-Hexanone | ND | F1 vs | 313 | 177 | F1 vs | ug/Kg | ⊗ | 57 | 59 - 130 | 3 | 30 |
| 4-Isopropyltoluene | ND | F1 vs | 62.6 | 32.0 | F1 vs | ug/Kg | ⊗ | 51 | 74 - 120 | 14 | 30 |
| Acetone | 20 | J vs | 313 | 239 | vs | ug/Kg | ⊗ | 70 | 61 - 137 | 0 | 30 |
| Benzene | 0.41 | J vs | 62.6 | 57.8 | vs | ug/Kg | ⊗ | 92 | 79 - 127 | 5 | 30 |
| Bromoform | ND | F1 vs | 62.6 | 36.0 | F1 vs | ug/Kg | ⊗ | 58 | 68 - 126 | 10 | 30 |
| Bromomethane | ND | vs | 62.6 | 59.8 | vs | ug/Kg | ⊗ | 96 | 37 - 149 | 3 | 30 |
| Carbon disulfide | ND | vs | 62.6 | 52.9 | vs | ug/Kg | ⊗ | 84 | 64 - 131 | 6 | 30 |
| Carbon tetrachloride | ND | vs | 62.6 | 52.8 | vs | ug/Kg | ⊗ | 84 | 75 - 135 | 9 | 30 |
| Chlorobenzene | ND | F1 vs | 62.6 | 43.1 | F1 vs | ug/Kg | ⊗ | 69 | 76 - 124 | 10 | 30 |
| Dibromochloromethane | ND | F1 vs | 62.6 | 43.6 | F1 vs | ug/Kg | ⊗ | 70 | 76 - 125 | 6 | 30 |
| Chloroethane | ND | * vs | 62.6 | 51.6 | vs | ug/Kg | ⊗ | 82 | 69 - 135 | 6 | 30 |
| Chloroform | 0.49 | J B vs | 62.6 | 58.7 | vs | ug/Kg | ⊗ | 93 | 80 - 120 | 4 | 30 |
| Chloromethane | ND | vs | 62.6 | 55.5 | vs | ug/Kg | ⊗ | 89 | 63 - 127 | 3 | 30 |
| cis-1,2-Dichloroethene | ND | vs | 62.6 | 57.8 | vs | ug/Kg | ⊗ | 92 | 80 - 120 | 4 | 30 |
| cis-1,3-Dichloropropene | ND | vs | 62.6 | 50.5 | vs | ug/Kg | ⊗ | 81 | 80 - 120 | 9 | 30 |
| Cyclohexane | ND | vs | 62.6 | 48.6 | vs | ug/Kg | ⊗ | 78 | 65 - 120 | 15 | 30 |
| Bromodichloromethane | ND | vs | 62.6 | 54.9 | vs | ug/Kg | ⊗ | 88 | 80 - 122 | 5 | 30 |
| Dichlorodifluoromethane | ND | vs | 62.6 | 57.8 | vs | ug/Kg | ⊗ | 92 | 57 - 142 | 1 | 30 |
| Ethylbenzene | ND | F1 vs | 62.6 | 41.9 | F1 vs | ug/Kg | ⊗ | 67 | 80 - 120 | 11 | 30 |
| 1,2-Dibromoethane | ND | F1 vs | 62.6 | 41.9 | F1 vs | ug/Kg | ⊗ | 67 | 78 - 120 | 6 | 30 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-149734-6 MSD

Matrix: Solid

Analysis Batch: 461667

Client Sample ID: SB-9 (3-5)

Prep Type: Total/NA

Prep Batch: 461683

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | Limits | RPD | Limit |
|------------------------------|-----------|-----------|-------|--------|-----------|-------|-----------|-----------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | |
| Isopropylbenzene | 7.6 | F1 vs | 62.6 | 51.5 | F1 vs | ug/Kg | ⊗ | 70 | 72 - 120 | 12 | 30 |
| Methyl acetate | ND | vs | 125 | 91.6 | vs | ug/Kg | ⊗ | 73 | 55 - 136 | 9 | 30 |
| 2-Butanone (MEK) | 4.4 | J F1 vs | 313 | 198 | F1 vs | ug/Kg | ⊗ | 62 | 70 - 134 | 3 | 30 |
| 4-Methyl-2-pentanone (MIBK) | ND | F1 vs | 313 | 176 | F1 vs | ug/Kg | ⊗ | 56 | 65 - 133 | 1 | 30 |
| Methyl tert-butyl ether | ND | vs | 62.6 | 54.8 | vs | ug/Kg | ⊗ | 88 | 63 - 125 | 1 | 30 |
| Methylcyclohexane | ND | F1 vs | 62.6 | 36.9 | F1 vs | ug/Kg | ⊗ | 59 | 60 - 140 | 19 | 30 |
| Methylene Chloride | 9.5 | B vs | 62.6 | 62.6 | vs | ug/Kg | ⊗ | 85 | 61 - 127 | 1 | 30 |
| m,p-Xylene | 1.6 | J F1 vs | 62.6 | 42.1 | F1 vs | ug/Kg | ⊗ | 65 | 70 - 130 | 11 | 30 |
| n-Butylbenzene | ND | F1 vs | 62.6 | 28.6 | F1 vs | ug/Kg | ⊗ | 46 | 70 - 120 | 19 | 30 |
| N-Propylbenzene | 3.4 | J F1 vs | 62.6 | 43.3 | F1 vs | ug/Kg | ⊗ | 64 | 70 - 130 | 17 | 30 |
| o-Xylene | ND | F1 vs | 62.6 | 40.6 | F1 vs | ug/Kg | ⊗ | 65 | 70 - 130 | 11 | 30 |
| sec-Butylbenzene | 5.9 | J F1 vs | 62.6 | 37.3 | F1 vs | ug/Kg | ⊗ | 50 | 74 - 120 | 10 | 30 |
| Styrene | ND | F1 vs | 62.6 | 36.0 | F1 vs | ug/Kg | ⊗ | 58 | 80 - 120 | 15 | 30 |
| tert-Butylbenzene | 2.3 | J F1 vs | 62.6 | 38.7 | F1 vs | ug/Kg | ⊗ | 58 | 73 - 120 | 11 | 30 |
| Tetrachloroethene | ND | F1 vs | 62.6 | 42.0 | F1 vs | ug/Kg | ⊗ | 67 | 74 - 122 | 11 | 30 |
| Toluene | ND | vs | 62.6 | 46.9 | vs | ug/Kg | ⊗ | 75 | 74 - 128 | 7 | 30 |
| trans-1,2-Dichloroethene | ND | vs | 62.6 | 57.6 | vs | ug/Kg | ⊗ | 92 | 78 - 126 | 5 | 30 |
| trans-1,3-Dichloropropene | ND | F1 vs | 62.6 | 41.0 | F1 vs | ug/Kg | ⊗ | 66 | 73 - 123 | 8 | 30 |
| Trichloroethene | ND | vs | 62.6 | 52.6 | vs | ug/Kg | ⊗ | 84 | 77 - 129 | 11 | 30 |
| Trichlorofluoromethane | ND | vs | 62.6 | 50.9 | vs | ug/Kg | ⊗ | 81 | 65 - 146 | 6 | 30 |
| Vinyl chloride | ND | vs | 62.6 | 57.3 | vs | ug/Kg | ⊗ | 92 | 61 - 133 | 3 | 30 |
| <hr/> | | | | | | | | | | | |
| Surrogate | MSD | | MSD | | Limits | D | %Recovery | Qualifier | Limits | RPD | Limit |
| | Surrogate | MSD | MSD | MSD | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | | | 64 - 126 | | | | | | |
| Toluene-d8 (Surr) | 99 | | | | 71 - 125 | | | | | | |
| 4-Bromofluorobenzene (Surr) | 93 | | | | 72 - 126 | | | | | | |

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-461693/1-A

Matrix: Solid

Analysis Batch: 462015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461693

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Acenaphthene | ND | | 170 | 24 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Acenaphthylene | ND | | 170 | 21 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Anthracene | ND | | 170 | 41 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Benzo[a]anthracene | ND | | 170 | 17 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Benzo[a]pyrene | ND | | 170 | 24 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Benzo[b]fluoranthene | ND | | 170 | 26 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Benzo[g,h,i]perylene | ND | | 170 | 18 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Benzo[k]fluoranthene | ND | | 170 | 21 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Chrysene | ND | | 170 | 37 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Dibenz(a,h)anthracene | ND | | 170 | 29 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Fluoranthene | ND | | 170 | 18 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Fluorene | ND | | 170 | 19 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 170 | 20 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Naphthalene | ND | | 170 | 21 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-461693/1-A

Matrix: Solid

Analysis Batch: 462015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461693

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|----|-----|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| | ND | 170 | | | | | | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Pyrene | ND | 170 | | | | 24 | ug/Kg | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Phenanthrene | | | | | | | | | | | |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|-----------|-----------|--------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | | | |
| 2,4,6-Tribromophenol (Surr) | 67 | | 54 - 120 | | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| 2-Fluorobiphenyl | 91 | | 60 - 120 | | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| 2-Fluorophenol (Surr) | 78 | | 52 - 120 | | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Phenol-d5 (Surr) | 86 | | 54 - 120 | | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| p-Terphenyl-d14 (Surr) | 112 | | 65 - 121 | | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |
| Nitrobenzene-d5 (Surr) | 86 | | 53 - 120 | | | 03/06/19 07:22 | 03/07/19 15:46 | 1 |

Lab Sample ID: LCS 480-461693/2-A

Matrix: Solid

Analysis Batch: 462015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461693

| Analyte | Spike | LCS | LCS | Result | Qualifier | Unit | D | %Rec | Limits | %Rec. |
|------------------------|-------|--------|-----------|--------|-----------|-------|---|------|----------|-------|
| | Added | Result | Qualifier | | | | | | | |
| Acenaphthene | 1620 | 1490 | | | | ug/Kg | | 92 | 62 - 120 | |
| Acenaphthylene | 1620 | 1620 | | | | ug/Kg | | 100 | 58 - 121 | |
| Anthracene | 1620 | 1670 | | | | ug/Kg | | 103 | 62 - 120 | |
| Benzo[a]anthracene | 1620 | 1600 | | | | ug/Kg | | 99 | 65 - 120 | |
| Benzo[a]pyrene | 1620 | 1710 | | | | ug/Kg | | 106 | 64 - 120 | |
| Benzo[b]fluoranthene | 1620 | 1680 | | | | ug/Kg | | 104 | 64 - 120 | |
| Benzo[g,h,i]perylene | 1620 | 1400 | | | | ug/Kg | | 87 | 45 - 145 | |
| Benzo[k]fluoranthene | 1620 | 1690 | | | | ug/Kg | | 104 | 65 - 120 | |
| Chrysene | 1620 | 1620 | | | | ug/Kg | | 100 | 64 - 120 | |
| Dibenz(a,h)anthracene | 1620 | 1450 | | | | ug/Kg | | 90 | 54 - 132 | |
| Fluoranthene | 1620 | 1670 | | | | ug/Kg | | 103 | 62 - 120 | |
| Fluorene | 1620 | 1630 | | | | ug/Kg | | 101 | 63 - 120 | |
| Indeno[1,2,3-cd]pyrene | 1620 | 1430 | | | | ug/Kg | | 88 | 56 - 134 | |
| Naphthalene | 1620 | 1410 | | | | ug/Kg | | 87 | 55 - 120 | |
| Pyrene | 1620 | 1650 | | | | ug/Kg | | 102 | 61 - 133 | |
| Phenanthrene | 1620 | 1610 | | | | ug/Kg | | 100 | 60 - 120 | |

| Surrogate | LCS | LCS | %Recovery | Qualifier | Limits |
|-----------------------------|-------|----------|-----------|-----------|--------|
| | Added | Result | | | |
| 2,4,6-Tribromophenol (Surr) | 100 | 54 - 120 | | | |
| 2-Fluorobiphenyl | 104 | 60 - 120 | | | |
| 2-Fluorophenol (Surr) | 83 | 52 - 120 | | | |
| Phenol-d5 (Surr) | 92 | 54 - 120 | | | |
| p-Terphenyl-d14 (Surr) | 111 | 65 - 121 | | | |
| Nitrobenzene-d5 (Surr) | 93 | 53 - 120 | | | |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-461833/1-A

Matrix: Solid

Analysis Batch: 461975

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461833

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | | | |
| PCB-1016 | ND | | | | 0.23 | 0.045 | mg/Kg | | 03/06/19 14:30 | 03/07/19 17:16 | 1 |
| PCB-1221 | ND | | | | 0.23 | 0.045 | mg/Kg | | 03/06/19 14:30 | 03/07/19 17:16 | 1 |
| PCB-1232 | ND | | | | 0.23 | 0.045 | mg/Kg | | 03/06/19 14:30 | 03/07/19 17:16 | 1 |
| PCB-1242 | ND | | | | 0.23 | 0.045 | mg/Kg | | 03/06/19 14:30 | 03/07/19 17:16 | 1 |
| PCB-1248 | ND | | | | 0.23 | 0.045 | mg/Kg | | 03/06/19 14:30 | 03/07/19 17:16 | 1 |
| PCB-1254 | ND | | | | 0.23 | 0.11 | mg/Kg | | 03/06/19 14:30 | 03/07/19 17:16 | 1 |
| PCB-1260 | ND | | | | 0.23 | 0.11 | mg/Kg | | 03/06/19 14:30 | 03/07/19 17:16 | 1 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | | | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----------|-----------|--------|--|--|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | | | |
| Tetrachloro-m-xylene | 77 | | 60 - 154 | | | | | | 03/06/19 14:30 | 03/07/19 17:16 | 1 |
| DCB Decachlorobiphenyl | 73 | | 65 - 174 | | | | | | 03/06/19 14:30 | 03/07/19 17:16 | 1 |

Lab Sample ID: LCS 480-461833/2-A

Matrix: Solid

Analysis Batch: 461975

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461833

| Analyte | MB | MB | Result | Qualifier | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|----------|--------|-----------|--------|-----------|----------------|---------------|------------------|-------|---|------|----------|
| | Result | Qualifier | | | | | | | | | |
| PCB-1016 | ND | | 2.26 | | 2.21 | | | mg/Kg | | 98 | 51 - 185 |
| PCB-1260 | ND | | 2.26 | | 2.30 | | | mg/Kg | | 102 | 61 - 184 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | | | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----------|-----------|--------|--|--|---|----------|----------|---------|
| | Result | Qualifier | | | | | | | | | |
| Tetrachloro-m-xylene | 88 | | 60 - 154 | | | | | | | | 1 |
| DCB Decachlorobiphenyl | 89 | | 65 - 174 | | | | | | | | 1 |

Lab Sample ID: 480-149734-1 MS

Matrix: Solid

Analysis Batch: 461975

Client Sample ID: SB-2 (3-5)

Prep Type: Total/NA

Prep Batch: 461833

| Analyte | MB | MB | Result | Qualifier | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|----------|--------|-----------|--------|-----------|----------------|---------------|------------------|-------|---|------|----------|
| | Result | Qualifier | | | | | | | | | |
| PCB-1016 | ND | F1 F2 | 2.44 | | 1.05 | F1 | | mg/Kg | ⊗ | 43 | 50 - 177 |
| PCB-1260 | ND | F2 | 2.44 | | 1.06 | | | mg/Kg | ⊗ | 43 | 33 - 200 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | | | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----------|-----------|--------|--|--|---|----------|----------|---------|
| | Result | Qualifier | | | | | | | | | |
| Tetrachloro-m-xylene | 53 | X | 60 - 154 | | | | | | | | 1 |
| DCB Decachlorobiphenyl | 58 | X | 65 - 174 | | | | | | | | 1 |

Lab Sample ID: 480-149734-1 MSD

Matrix: Solid

Analysis Batch: 461975

Client Sample ID: SB-2 (3-5)

Prep Type: Total/NA

Prep Batch: 461833

| Analyte | MS | MS | Result | Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | Limits |
|----------|--------|-----------|--------|-----------|----------------|---------------|------------------|-------|---|------|----------|
| | Result | Qualifier | | | | | | | | | |
| PCB-1016 | ND | F1 F2 | 2.62 | | 2.11 | F2 | | mg/Kg | ⊗ | 80 | 50 - 177 |
| PCB-1260 | ND | F2 | 2.62 | | 2.26 | F2 | | mg/Kg | ⊗ | 86 | 33 - 200 |

| Surrogate | MS | MS | %Recovery | Qualifier | Limits | | | D | Prepared | Analyzed | RPD |
|------------------------|--------|-----------|-----------|-----------|--------|--|--|---|----------|----------|-----|
| | Result | Qualifier | | | | | | | | | |
| Tetrachloro-m-xylene | 71 | | 60 - 154 | | | | | | | | 67 |
| DCB Decachlorobiphenyl | 74 | | 65 - 174 | | | | | | | | 73 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-461760/1-A

Matrix: Solid

Analysis Batch: 462120

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 461760

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | | | |
| Arsenic | ND | | | | 2.0 | 0.40 | mg/Kg | | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Barium | ND | | | | 0.50 | 0.11 | mg/Kg | | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Cadmium | ND | | | | 0.20 | 0.030 | mg/Kg | | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Chromium | ND | | | | 0.50 | 0.20 | mg/Kg | | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Lead | ND | | | | 1.0 | 0.24 | mg/Kg | | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Selenium | ND | | | | 4.0 | 0.40 | mg/Kg | | 03/06/19 10:49 | 03/07/19 12:39 | 1 |
| Silver | ND | | | | 0.60 | 0.20 | mg/Kg | | 03/06/19 10:49 | 03/07/19 12:39 | 1 |

Lab Sample ID: LCSSRM 480-461760/2-A

Matrix: Solid

Analysis Batch: 462120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 461760

| Analyte | Spike Added | LCSSRM | LCSSRM | Unit | D | %Rec | Limits |
|----------|----------------|--------|-----------|-------|---|-------|------------------|
| | | Result | Qualifier | | | | |
| Arsenic | 171 | 151.9 | | mg/Kg | | 88.8 | 66.1 - 122. 2 |
| Barium | 272 | 235.6 | | mg/Kg | | 86.6 | 71.7 - 119. 5 |
| Cadmium | 225 | 188.9 | | mg/Kg | | 84.0 | 70.2 - 117. 3 |
| Chromium | 144 | 127.3 | | mg/Kg | | 88.4 | 66.1 - 122. 9 |
| Lead | 111 | 117.9 | | mg/Kg | | 106.2 | 71.0 - 128. 8 |
| Selenium | 206 | 179.8 | | mg/Kg | | 87.3 | 63.6 - 122. 3 |
| Silver | 45.5 | 40.74 | | mg/Kg | | 89.5 | 66.2 - 124. 2 |

Lab Sample ID: 480-149734-1 MS

Matrix: Solid

Analysis Batch: 462120

Client Sample ID: SB-2 (3-5)

Prep Type: Total/NA

Prep Batch: 461760

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | Limits |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Arsenic | 7.7 | F1 | 22.3 | 33.39 | | mg/Kg | ⊗ | 115 | 75 - 125 |
| Barium | 177 | | 22.3 | 193.5 | 4 | mg/Kg | ⊗ | 74 | 75 - 125 |
| Cadmium | 0.56 | F1 | 22.3 | 25.00 | | mg/Kg | ⊗ | 110 | 75 - 125 |
| Chromium | 12.0 | F2 | 22.3 | 29.78 | | mg/Kg | ⊗ | 80 | 75 - 125 |
| Lead | 568 | F2 | 22.3 | 382.9 | 4 | mg/Kg | ⊗ | -829 | 75 - 125 |
| Selenium | 1.3 | J F1 | 22.3 | 17.80 | F1 | mg/Kg | ⊗ | 74 | 75 - 125 |
| Silver | ND | | 5.57 | 6.16 | | mg/Kg | ⊗ | 111 | 75 - 125 |

Lab Sample ID: 480-149734-1 MSD

Matrix: Solid

Analysis Batch: 462120

Client Sample ID: SB-2 (3-5)

Prep Type: Total/NA

Prep Batch: 461760

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | Limits | RPD | Limit |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | |
| Arsenic | 7.7 | F1 | 22.8 | 39.10 | F1 | mg/Kg | ⊗ | 138 | 75 - 125 | 16 | 20 |
| Barium | 177 | | 22.8 | 210.1 | 4 | mg/Kg | ⊗ | 146 | 75 - 125 | 8 | 20 |
| Cadmium | 0.56 | F1 | 22.8 | 29.23 | F1 | mg/Kg | ⊗ | 126 | 75 - 125 | 16 | 20 |
| Chromium | 12.0 | F2 | 22.8 | 38.86 | F2 | mg/Kg | ⊗ | 118 | 75 - 125 | 26 | 20 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-149734-1 MSD

Matrix: Solid

Analysis Batch: 462120

Client Sample ID: SB-2 (3-5)

Prep Type: Total/NA

Prep Batch: 461760

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | Limits | RPD | Limit |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | |
| Lead | 568 | F2 | 22.8 | 507.7 | 4 F2 | mg/Kg | ⊗ | -264 | 75 - 125 | 28 | 20 |
| Selenium | 1.3 | J F1 | 22.8 | 21.82 | | mg/Kg | ⊗ | 90 | 75 - 125 | 20 | 20 |
| Silver | ND | | 5.69 | 6.97 | | mg/Kg | ⊗ | 123 | 75 - 125 | 12 | 20 |

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-461646/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 461877

Prep Batch: 461646

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Mercury | ND | | 0.018 | 0.0074 | mg/Kg | | 03/06/19 13:06 | 03/06/19 16:20 | 1 |

Lab Sample ID: LCSSRM 480-461646/2-A ^10

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 461877

Prep Batch: 461646

| Analyte | Spike | LCSSRM | LCSSRM | Unit | D | %Rec | Limits |
|---------|-------|--------|-----------|-------|---|------|-------------|
| | Added | Result | Qualifier | | | | |
| Mercury | 12.0 | 11.38 | | mg/Kg | | 94.8 | 57.3 - 133. |

3

Lab Sample ID: 480-149734-1 MS

Client Sample ID: SB-2 (3-5)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 461877

Prep Batch: 461646

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | Limits |
|---------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Mercury | 0.65 | F1 | 0.383 | 1.05 | | mg/Kg | ⊗ | 104 | 80 - 120 |

Lab Sample ID: 480-149734-1 MSD

Client Sample ID: SB-2 (3-5)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 461877

Prep Batch: 461646

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | Limits |
|---------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Mercury | 0.65 | F1 | 0.354 | 1.22 | F1 | mg/Kg | ⊗ | 162 | 80 - 120 |

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QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

GC/MS VOA

Analysis Batch: 461667

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-149734-6 | SB-9 (3-5) | Total/NA | Solid | 8260C | 461683 |
| MB 480-461683/2-A | Method Blank | Total/NA | Solid | 8260C | 461683 |
| LCS 480-461683/1-A | Lab Control Sample | Total/NA | Solid | 8260C | 461683 |
| 480-149734-6 MS | SB-9 (3-5) | Total/NA | Solid | 8260C | 461683 |
| 480-149734-6 MSD | SB-9 (3-5) | Total/NA | Solid | 8260C | 461683 |

Prep Batch: 461683

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|---------|------------|
| 480-149734-6 | SB-9 (3-5) | Total/NA | Solid | 5035A_L | |
| MB 480-461683/2-A | Method Blank | Total/NA | Solid | 5035A_L | |
| LCS 480-461683/1-A | Lab Control Sample | Total/NA | Solid | 5035A_L | |
| 480-149734-6 MS | SB-9 (3-5) | Total/NA | Solid | 5035A_L | |
| 480-149734-6 MSD | SB-9 (3-5) | Total/NA | Solid | 5035A_L | |

GC/MS Semi VOA

Prep Batch: 461693

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-149734-1 | SB-2 (3-5) | Total/NA | Solid | 3550C | |
| 480-149734-2 | SB-3 (2-4) | Total/NA | Solid | 3550C | |
| 480-149734-3 | SB-4 (1-3) | Total/NA | Solid | 3550C | |
| 480-149734-4 | SB-5 (3-5) | Total/NA | Solid | 3550C | |
| 480-149734-5 | SB-8 (3-5) | Total/NA | Solid | 3550C | |
| 480-149734-6 | SB-9 (3-5) | Total/NA | Solid | 3550C | |
| MB 480-461693/1-A | Method Blank | Total/NA | Solid | 3550C | |
| LCS 480-461693/2-A | Lab Control Sample | Total/NA | Solid | 3550C | |

Analysis Batch: 462015

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| MB 480-461693/1-A | Method Blank | Total/NA | Solid | 8270D | 461693 |
| LCS 480-461693/2-A | Lab Control Sample | Total/NA | Solid | 8270D | 461693 |

Analysis Batch: 462180

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-149734-1 | SB-2 (3-5) | Total/NA | Solid | 8270D | 461693 |
| 480-149734-2 | SB-3 (2-4) | Total/NA | Solid | 8270D | 461693 |
| 480-149734-3 | SB-4 (1-3) | Total/NA | Solid | 8270D | 461693 |
| 480-149734-4 | SB-5 (3-5) | Total/NA | Solid | 8270D | 461693 |
| 480-149734-5 | SB-8 (3-5) | Total/NA | Solid | 8270D | 461693 |
| 480-149734-6 | SB-9 (3-5) | Total/NA | Solid | 8270D | 461693 |

GC Semi VOA

Prep Batch: 461833

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-149734-1 | SB-2 (3-5) | Total/NA | Solid | 3550C | |
| 480-149734-4 | SB-5 (3-5) | Total/NA | Solid | 3550C | |
| MB 480-461833/1-A | Method Blank | Total/NA | Solid | 3550C | |
| LCS 480-461833/2-A | Lab Control Sample | Total/NA | Solid | 3550C | |
| 480-149734-1 MS | SB-2 (3-5) | Total/NA | Solid | 3550C | |

TestAmerica Buffalo

QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

GC Semi VOA (Continued)

Prep Batch: 461833 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 480-149734-1 MSD | SB-2 (3-5) | Total/NA | Solid | 3550C | |

Analysis Batch: 461975

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-149734-1 | SB-2 (3-5) | Total/NA | Solid | 8082A | 461833 |
| 480-149734-4 | SB-5 (3-5) | Total/NA | Solid | 8082A | 461833 |
| MB 480-461833/1-A | Method Blank | Total/NA | Solid | 8082A | 461833 |
| LCS 480-461833/2-A | Lab Control Sample | Total/NA | Solid | 8082A | 461833 |
| 480-149734-1 MS | SB-2 (3-5) | Total/NA | Solid | 8082A | 461833 |
| 480-149734-1 MSD | SB-2 (3-5) | Total/NA | Solid | 8082A | 461833 |

Metals

Prep Batch: 461646

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------|--------------------|-----------|--------|--------|------------|
| 480-149734-1 | SB-2 (3-5) | Total/NA | Solid | 7471B | |
| 480-149734-2 | SB-3 (2-4) | Total/NA | Solid | 7471B | |
| 480-149734-3 | SB-4 (1-3) | Total/NA | Solid | 7471B | |
| 480-149734-4 | SB-5 (3-5) | Total/NA | Solid | 7471B | |
| 480-149734-5 | SB-8 (3-5) | Total/NA | Solid | 7471B | |
| 480-149734-6 | SB-9 (3-5) | Total/NA | Solid | 7471B | |
| MB 480-461646/1-A | Method Blank | Total/NA | Solid | 7471B | |
| LCSSRM 480-461646/2-A ^10 | Lab Control Sample | Total/NA | Solid | 7471B | |
| 480-149734-1 MS | SB-2 (3-5) | Total/NA | Solid | 7471B | |
| 480-149734-1 MSD | SB-2 (3-5) | Total/NA | Solid | 7471B | |

Prep Batch: 461760

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|--------------------|-----------|--------|--------|------------|
| 480-149734-1 | SB-2 (3-5) | Total/NA | Solid | 3050B | |
| 480-149734-2 | SB-3 (2-4) | Total/NA | Solid | 3050B | |
| 480-149734-3 | SB-4 (1-3) | Total/NA | Solid | 3050B | |
| 480-149734-4 | SB-5 (3-5) | Total/NA | Solid | 3050B | |
| 480-149734-5 | SB-8 (3-5) | Total/NA | Solid | 3050B | |
| 480-149734-6 | SB-9 (3-5) | Total/NA | Solid | 3050B | |
| MB 480-461760/1-A | Method Blank | Total/NA | Solid | 3050B | |
| LCSSRM 480-461760/2-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| 480-149734-1 MS | SB-2 (3-5) | Total/NA | Solid | 3050B | |
| 480-149734-1 MSD | SB-2 (3-5) | Total/NA | Solid | 3050B | |

Analysis Batch: 461877

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------------|--------------------|-----------|--------|--------|------------|
| 480-149734-1 | SB-2 (3-5) | Total/NA | Solid | 7471B | 461646 |
| 480-149734-2 | SB-3 (2-4) | Total/NA | Solid | 7471B | 461646 |
| 480-149734-3 | SB-4 (1-3) | Total/NA | Solid | 7471B | 461646 |
| 480-149734-4 | SB-5 (3-5) | Total/NA | Solid | 7471B | 461646 |
| 480-149734-5 | SB-8 (3-5) | Total/NA | Solid | 7471B | 461646 |
| 480-149734-6 | SB-9 (3-5) | Total/NA | Solid | 7471B | 461646 |
| MB 480-461646/1-A | Method Blank | Total/NA | Solid | 7471B | 461646 |
| LCSSRM 480-461646/2-A ^10 | Lab Control Sample | Total/NA | Solid | 7471B | 461646 |
| 480-149734-1 MS | SB-2 (3-5) | Total/NA | Solid | 7471B | 461646 |

TestAmerica Buffalo

QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Metals (Continued)

Analysis Batch: 461877 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 480-149734-1 MSD | SB-2 (3-5) | Total/NA | Solid | 7471B | 461646 |

Analysis Batch: 462120

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|--------------------|-----------|--------|--------|------------|
| 480-149734-1 | SB-2 (3-5) | Total/NA | Solid | 6010C | 461760 |
| 480-149734-2 | SB-3 (2-4) | Total/NA | Solid | 6010C | 461760 |
| 480-149734-3 | SB-4 (1-3) | Total/NA | Solid | 6010C | 461760 |
| 480-149734-4 | SB-5 (3-5) | Total/NA | Solid | 6010C | 461760 |
| 480-149734-5 | SB-8 (3-5) | Total/NA | Solid | 6010C | 461760 |
| 480-149734-6 | SB-9 (3-5) | Total/NA | Solid | 6010C | 461760 |
| MB 480-461760/1-A | Method Blank | Total/NA | Solid | 6010C | 461760 |
| LCSSRM 480-461760/2-A | Lab Control Sample | Total/NA | Solid | 6010C | 461760 |
| 480-149734-1 MS | SB-2 (3-5) | Total/NA | Solid | 6010C | 461760 |
| 480-149734-1 MSD | SB-2 (3-5) | Total/NA | Solid | 6010C | 461760 |

General Chemistry

Analysis Batch: 461606

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 480-149734-1 | SB-2 (3-5) | Total/NA | Solid | Moisture | |
| 480-149734-2 | SB-3 (2-4) | Total/NA | Solid | Moisture | |
| 480-149734-3 | SB-4 (1-3) | Total/NA | Solid | Moisture | |
| 480-149734-4 | SB-5 (3-5) | Total/NA | Solid | Moisture | |
| 480-149734-5 | SB-8 (3-5) | Total/NA | Solid | Moisture | |
| 480-149734-6 | SB-9 (3-5) | Total/NA | Solid | Moisture | |

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Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-2 (3-5)

Lab Sample ID: 480-149734-1

Matrix: Solid

Date Collected: 02/27/19 09:00

Date Received: 03/01/19 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

Client Sample ID: SB-2 (3-5)

Lab Sample ID: 480-149734-1

Matrix: Solid

Date Collected: 02/27/19 09:00

Percent Solids: 89.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3550C | | | 461693 | 03/06/19 07:22 | SMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 5 | 462180 | 03/08/19 15:34 | PJQ | TAL BUF |
| Total/NA | Prep | 3550C | | | 461833 | 03/06/19 14:30 | ATG | TAL BUF |
| Total/NA | Analysis | 8082A | | 1 | 461975 | 03/07/19 18:20 | W1T | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 12:46 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461646 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 1 | 461877 | 03/06/19 16:23 | BMB | TAL BUF |

Client Sample ID: SB-3 (2-4)

Lab Sample ID: 480-149734-2

Matrix: Solid

Date Collected: 02/27/19 09:30

Percent Solids: 89.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

Client Sample ID: SB-3 (2-4)

Lab Sample ID: 480-149734-2

Matrix: Solid

Date Collected: 02/27/19 09:30

Percent Solids: 78.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3550C | | | 461693 | 03/06/19 07:22 | SMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 5 | 462180 | 03/08/19 16:02 | PJQ | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 13:06 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461646 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 1 | 461877 | 03/06/19 16:28 | BMB | TAL BUF |

Client Sample ID: SB-4 (1-3)

Lab Sample ID: 480-149734-3

Matrix: Solid

Date Collected: 02/27/19 10:00

Date Received: 03/01/19 16:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

TestAmerica Buffalo

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-4 (1-3)

Date Collected: 02/27/19 10:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-3

Matrix: Solid

Percent Solids: 85.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3550C | | | 461693 | 03/06/19 07:22 | SMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 20 | 462180 | 03/08/19 16:30 | PJQ | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 13:10 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461646 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 1 | 461877 | 03/06/19 16:29 | BMB | TAL BUF |

Client Sample ID: SB-5 (3-5)

Date Collected: 02/27/19 10:30

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

Client Sample ID: SB-5 (3-5)

Date Collected: 02/27/19 10:30

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-4

Matrix: Solid

Percent Solids: 82.3

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3550C | | | 461693 | 03/06/19 07:22 | SMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 20 | 462180 | 03/08/19 16:57 | PJQ | TAL BUF |
| Total/NA | Prep | 3550C | | | 461833 | 03/06/19 14:30 | ATG | TAL BUF |
| Total/NA | Analysis | 8082A | | 1 | 461975 | 03/07/19 18:36 | W1T | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 13:26 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461646 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 1 | 461877 | 03/06/19 16:30 | BMB | TAL BUF |

Client Sample ID: SB-8 (3-5)

Date Collected: 02/27/19 13:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-5

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

Client Sample ID: SB-8 (3-5)

Date Collected: 02/27/19 13:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-5

Matrix: Solid

Percent Solids: 85.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3550C | | | 461693 | 03/06/19 07:22 | SMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 20 | 462180 | 03/08/19 17:25 | PJQ | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |

TestAmerica Buffalo

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Client Sample ID: SB-8 (3-5)

Date Collected: 02/27/19 13:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-5

Matrix: Solid

Percent Solids: 85.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 13:29 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461646 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 1 | 461877 | 03/06/19 16:32 | BMB | TAL BUF |

Client Sample ID: SB-9 (3-5)

Date Collected: 02/27/19 14:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-6

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | 461606 | 03/05/19 13:04 | KPK | TAL BUF |

Client Sample ID: SB-9 (3-5)

Date Collected: 02/27/19 14:00

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149734-6

Matrix: Solid

Percent Solids: 79.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035A_L | | | 461683 | 03/05/19 20:52 | AEM | TAL BUF |
| Total/NA | Analysis | 8260C | | 1 | 461667 | 03/06/19 01:12 | CDC | TAL BUF |
| Total/NA | Prep | 3550C | | | 461693 | 03/06/19 07:22 | SMP | TAL BUF |
| Total/NA | Analysis | 8270D | | 20 | 462180 | 03/08/19 17:53 | PJQ | TAL BUF |
| Total/NA | Prep | 3050B | | | 461760 | 03/06/19 10:49 | MV | TAL BUF |
| Total/NA | Analysis | 6010C | | 1 | 462120 | 03/07/19 13:33 | AMH | TAL BUF |
| Total/NA | Prep | 7471B | | | 461646 | 03/06/19 13:06 | BMB | TAL BUF |
| Total/NA | Analysis | 7471B | | 1 | 461877 | 03/06/19 16:36 | BMB | TAL BUF |

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

Accreditation/Certification Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York | NELAP | 2 | 10026 | 03-31-19 * |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------------|
| Moisture | | Solid | Percent Moisture |
| Moisture | | Solid | Percent Solids |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

| Method | Method Description | Protocol | Laboratory |
|----------|--|----------|------------|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL BUF |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL BUF |
| 8082A | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846 | TAL BUF |
| 6010C | Metals (ICP) | SW846 | TAL BUF |
| 7471B | Mercury (CVAA) | SW846 | TAL BUF |
| Moisture | Percent Moisture | EPA | TAL BUF |
| 3050B | Preparation, Metals | SW846 | TAL BUF |
| 3550C | Ultrasonic Extraction | SW846 | TAL BUF |
| 5035A_L | Closed System Purge and Trap | SW846 | TAL BUF |
| 7471B | Preparation, Mercury | SW846 | 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

Sample Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149734-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 480-149734-1 | SB-2 (3-5) | Solid | 02/27/19 09:00 | 03/01/19 16:00 |
| 480-149734-2 | SB-3 (2-4) | Solid | 02/27/19 09:30 | 03/01/19 16:00 |
| 480-149734-3 | SB-4 (1-3) | Solid | 02/27/19 10:00 | 03/01/19 16:00 |
| 480-149734-4 | SB-5 (3-5) | Solid | 02/27/19 10:30 | 03/01/19 16:00 |
| 480-149734-5 | SB-8 (3-5) | Solid | 02/27/19 13:00 | 03/01/19 16:00 |
| 480-149734-6 | SB-9 (3-5) | Solid | 02/27/19 14:00 | 03/01/19 16:00 |

Chain of Custody Record

304523

TestAmerica

Ashurst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

| Regulatory Program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other: | | | | | | | | | |
|--|-------------|---|------------------------------------|------------------------------------|------------|-------------------------------|---|---|---|
| Client Contact | | Project Manager: <u>BRYAN MAYBACK</u> | | Site Contact: <u>C. HAD SCHIFF</u> | | Date: <u>7/1/19</u> | | COC No: <u>1</u> | |
| Company Name: <u>BENCHMARIC</u> Address: <u>255 S. HARBOR, T.R.C.</u> City/State/Zip: <u>BUFF, NY 14218</u> Phone: <u>(856) -0599</u> Fax: _____ | | Tel/Fax: <u>Analysis Turnaround Time</u> | | Lab Contact: <u>BRIAN FISCHER</u> | | Carrier: _____ | | COCs <u>1</u> | |
| | | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS | | TAT if different from Below _____ | | | | Sampler: <u>C9</u> | |
| | | <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day | | STD | | | | For Lab Use Only: <input type="checkbox"/> Walk-in Client | |
| Project Name: <u>305-339 CANSON ST</u> Site: <u>305-339 CANSON ST</u> PO# <u>30476-213-001</u> | | | | | | | | | |
| | | | | | | | | | |
| Sample Identification | Sample Date | Sample Time | Sample Type (C-Comp, G-Grab) | Matrix | # of Cont. | Filterd Sample (Y/N) | | | |
| SB-2(3-5) | 2/27/19 | 900 | 6 | Soil | 2 | X | X | X | X |
| SB-3(2-4) | | 930 | | | | | X | X | X |
| SB-4(1-3) | | 1000 | | | | | X | X | X |
| SB-5(3-5) | | 1030 | | | | | X | X | X |
| SB-8(3-5) | | 1300 | | | | | X | X | X |
| SB-9(3-5) | | 1400 | ↓ | ↓ | | X | X | X | X |
| Preservation Used: 1=Ice, 2=HCl; 3=H ₂ SO ₄ ; 4=HNO ₃ ; 5=NaOH; 6=Other | | | | | | | | | |
| Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. | | | | | | | | | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown | | | | | | | | | |
| Special Instructions/QC Requirements & Comments: | | | | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Custody Seal No.: <u>1</u> | | Custody Seal No.: <u>1</u> | | Cooler Temp (°C): <u>4</u> | | Obs ID: <u>35</u> Corrid: <u>4</u> | |
| Relinquished by: <u>Brad M. Blaust</u> | | Company: <u>BENCHMARK</u> | | Company: <u>BENCHMARK</u> | | Date/Time: <u>3/1/19 1600</u> | | Therm ID No.: <u>4</u> | |
| Relinquished by: <u></u> | | Company: <u></u> | | Company: <u></u> | | Date/Time: <u></u> | | Date/Time: <u></u> | |
| Relinquished by: <u></u> | | Company: <u></u> | | Company: <u></u> | | Date/Time: <u></u> | | Date/Time: <u></u> | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | | | | | |
| <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months | | | | | | | | | |

Page 40 of 41

Login Sample Receipt Checklist

Client: Benchmark Env. Eng. & Science, PLLC

Job Number: 480-149734-1

Login Number: 149734

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

| 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 (Excluding tests with immediate HTs).. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| 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 | Benchmark |
| 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 | |



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-149696-1

Client Project/Site: Benchmark - 305-339 Ganson St.

For:

Benchmark Env. Eng. & Science, PLLC

2558 Hamburg Turnpike

Lackawanna, New York 14218

Attn: Bryan Mayback

Authorized for release by:

3/6/2019 1:05:34 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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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.

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Definitions/Glossary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| * | LCS or LCSD is outside acceptance limits. |
| 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 |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Job ID: 480-149696-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-149696-1

Comments

No additional comments.

Receipt

The sample was received on 3/1/2019 4:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC/MS VOA

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: SB-2W (480-149696-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: SB-2W (480-149696-1).

The sample was analyzed within 7 days per EPA recommendation.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-461505 recovered above the upper control limit for Chlorodibromomethane and cis-1,3-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: SB-2W (480-149696-1).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-461505 recovered outside control limits for the following analyte: Chlorodibromomethane. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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 (LCS) associated with batch 480-461505. The following sample was affected : SB-2W (480-149696-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Client Sample ID: SB-2W

Lab Sample ID: 480-149696-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Acetone | 39 | | 20 | 6.0 | ug/L | 2 | | 8260C | Total/NA |
| Carbon disulfide | 0.46 | J | 2.0 | 0.38 | ug/L | 2 | | 8260C | Total/NA |
| Methylene Chloride | 1.2 | J | 2.0 | 0.88 | ug/L | 2 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Client Sample ID: SB-2W

Date Collected: 03/01/19 09:15

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149696-1

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 | | 2.0 | 1.6 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,1,2,2-Tetrachloroethane | ND | | 2.0 | 0.42 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 2.0 | 0.62 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,1,2-Trichloroethane | ND | | 2.0 | 0.46 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,1-Dichloroethane | ND | | 2.0 | 0.76 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,1-Dichloroethene | ND | | 2.0 | 0.58 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,2,4-Trichlorobenzene | ND | | 2.0 | 0.82 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,2,4-Trimethylbenzene | ND | | 2.0 | 1.5 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.0 | 0.78 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,2-Dichlorobenzene | ND | | 2.0 | 1.6 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,2-Dichloroethane | ND | | 2.0 | 0.42 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,2-Dichloropropane | ND | | 2.0 | 1.4 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,3,5-Trimethylbenzene | ND | | 2.0 | 1.5 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,3-Dichlorobenzene | ND | | 2.0 | 1.6 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,4-Dichlorobenzene | ND | | 2.0 | 1.7 | ug/L | | 03/05/19 02:58 | | 2 |
| 2-Butanone (MEK) | ND * | | 20 | 2.6 | ug/L | | 03/05/19 02:58 | | 2 |
| 2-Hexanone | ND | | 10 | 2.5 | ug/L | | 03/05/19 02:58 | | 2 |
| 4-Isopropyltoluene | ND | | 2.0 | 0.62 | ug/L | | 03/05/19 02:58 | | 2 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10 | 4.2 | ug/L | | 03/05/19 02:58 | | 2 |
| Acetone | 39 | | 20 | 6.0 | ug/L | | 03/05/19 02:58 | | 2 |
| Benzene | ND | | 2.0 | 0.82 | ug/L | | 03/05/19 02:58 | | 2 |
| Bromoform | ND | | 2.0 | 0.52 | ug/L | | 03/05/19 02:58 | | 2 |
| Bromomethane | ND | | 2.0 | 1.4 | ug/L | | 03/05/19 02:58 | | 2 |
| Carbon disulfide | 0.46 J | | 2.0 | 0.38 | ug/L | | 03/05/19 02:58 | | 2 |
| Carbon tetrachloride | ND | | 2.0 | 0.54 | ug/L | | 03/05/19 02:58 | | 2 |
| Chlorobenzene | ND | | 2.0 | 1.5 | ug/L | | 03/05/19 02:58 | | 2 |
| Dibromochloromethane | ND * | | 2.0 | 0.64 | ug/L | | 03/05/19 02:58 | | 2 |
| Chloroethane | ND | | 2.0 | 0.64 | ug/L | | 03/05/19 02:58 | | 2 |
| Chloroform | ND | | 2.0 | 0.68 | ug/L | | 03/05/19 02:58 | | 2 |
| Chloromethane | ND | | 2.0 | 0.70 | ug/L | | 03/05/19 02:58 | | 2 |
| cis-1,2-Dichloroethene | ND | | 2.0 | 1.6 | ug/L | | 03/05/19 02:58 | | 2 |
| Cyclohexane | ND | | 2.0 | 0.36 | ug/L | | 03/05/19 02:58 | | 2 |
| Bromodichloromethane | ND | | 2.0 | 0.78 | ug/L | | 03/05/19 02:58 | | 2 |
| Dichlorodifluoromethane | ND | | 2.0 | 1.4 | ug/L | | 03/05/19 02:58 | | 2 |
| Ethylbenzene | ND | | 2.0 | 1.5 | ug/L | | 03/05/19 02:58 | | 2 |
| 1,2-Dibromoethane | ND | | 2.0 | 1.5 | ug/L | | 03/05/19 02:58 | | 2 |
| Isopropylbenzene | ND | | 2.0 | 1.6 | ug/L | | 03/05/19 02:58 | | 2 |
| Methyl acetate | ND | | 5.0 | 2.6 | ug/L | | 03/05/19 02:58 | | 2 |
| Methyl tert-butyl ether | ND | | 2.0 | 0.32 | ug/L | | 03/05/19 02:58 | | 2 |
| Methylcyclohexane | ND | | 2.0 | 0.32 | ug/L | | 03/05/19 02:58 | | 2 |
| Methylene Chloride | 1.2 J | | 2.0 | 0.88 | ug/L | | 03/05/19 02:58 | | 2 |
| m,p-Xylene | ND | | 4.0 | 1.3 | ug/L | | 03/05/19 02:58 | | 2 |
| n-Butylbenzene | ND | | 2.0 | 1.3 | ug/L | | 03/05/19 02:58 | | 2 |
| N-Propylbenzene | ND | | 2.0 | 1.4 | ug/L | | 03/05/19 02:58 | | 2 |
| o-Xylene | ND | | 2.0 | 1.5 | ug/L | | 03/05/19 02:58 | | 2 |
| sec-Butylbenzene | ND | | 2.0 | 1.5 | ug/L | | 03/05/19 02:58 | | 2 |
| Tetrachloroethene | ND | | 2.0 | 0.72 | ug/L | | 03/05/19 02:58 | | 2 |
| Toluene | ND | | 2.0 | 1.0 | ug/L | | 03/05/19 02:58 | | 2 |
| trans-1,2-Dichloroethene | ND | | 2.0 | 1.8 | ug/L | | 03/05/19 02:58 | | 2 |

TestAmerica Buffalo

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Client Sample ID: SB-2W

Date Collected: 03/01/19 09:15

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149696-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|------------------|------------------|---------------|------|---|-----------------|-----------------|----------------|
| trans-1,3-Dichloropropene | ND | | 2.0 | 0.74 | ug/L | | | 03/05/19 02:58 | 2 |
| Trichloroethene | ND | | 2.0 | 0.92 | ug/L | | | 03/05/19 02:58 | 2 |
| Trichlorofluoromethane | ND | | 2.0 | 1.8 | ug/L | | | 03/05/19 02:58 | 2 |
| Vinyl chloride | ND | | 2.0 | 1.8 | ug/L | | | 03/05/19 02:58 | 2 |
| Xylenes, Total | ND | | 4.0 | 1.3 | ug/L | | | 03/05/19 02:58 | 2 |
| cis-1,3-Dichloropropene | ND | | 2.0 | 0.72 | ug/L | | | 03/05/19 02:58 | 2 |
| Styrene | ND | | 2.0 | 1.5 | ug/L | | | 03/05/19 02:58 | 2 |
| tert-Butylbenzene | ND | | 2.0 | 1.6 | ug/L | | | 03/05/19 02:58 | 2 |
| Surrogate | | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | | 105 | | 77 - 120 | | | | 03/05/19 02:58 | 2 |
| 4-Bromofluorobenzene (Surr) | | 109 | | 73 - 120 | | | | 03/05/19 02:58 | 2 |
| Toluene-d8 (Surr) | | 97 | | 80 - 120 | | | | 03/05/19 02:58 | 2 |

Surrogate Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCA (77-120) | BFB (73-120) | TOL (80-120) | | | | | | | | |
|------------------|--------------------|-----------------|-----------------|-----------------|--|--|--|--|--|--|--|--|
| 480-149696-1 | SB-2W | 105 | 109 | 97 | | | | | | | | |
| LCS 480-461505/5 | Lab Control Sample | 106 | 109 | 100 | | | | | | | | |
| MB 480-461505/9 | Method Blank | 105 | 109 | 97 | | | | | | | | |

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-461505/9

Matrix: Water

Analysis Batch: 461505

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 | | | 03/05/19 00:36 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | | 1.0 | 0.31 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.23 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.38 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.29 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.41 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.0 | 0.39 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.72 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 1.0 | 0.77 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.78 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.84 | ug/L | | | 03/05/19 00:36 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.3 | ug/L | | | 03/05/19 00:36 | 1 |
| 2-Hexanone | ND | | 5.0 | 1.2 | ug/L | | | 03/05/19 00:36 | 1 |
| 4-Isopropyltoluene | ND | | 1.0 | 0.31 | ug/L | | | 03/05/19 00:36 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 5.0 | 2.1 | ug/L | | | 03/05/19 00:36 | 1 |
| Acetone | ND | | 10 | 3.0 | ug/L | | | 03/05/19 00:36 | 1 |
| Benzene | ND | | 1.0 | 0.41 | ug/L | | | 03/05/19 00:36 | 1 |
| Bromoform | ND | | 1.0 | 0.26 | ug/L | | | 03/05/19 00:36 | 1 |
| Bromomethane | ND | | 1.0 | 0.69 | ug/L | | | 03/05/19 00:36 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.19 | ug/L | | | 03/05/19 00:36 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.27 | ug/L | | | 03/05/19 00:36 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/05/19 00:36 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.32 | ug/L | | | 03/05/19 00:36 | 1 |
| Chloroethane | ND | | 1.0 | 0.32 | ug/L | | | 03/05/19 00:36 | 1 |
| Chloroform | ND | | 1.0 | 0.34 | ug/L | | | 03/05/19 00:36 | 1 |
| Chloromethane | ND | | 1.0 | 0.35 | ug/L | | | 03/05/19 00:36 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.81 | ug/L | | | 03/05/19 00:36 | 1 |
| Cyclohexane | ND | | 1.0 | 0.18 | ug/L | | | 03/05/19 00:36 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.39 | ug/L | | | 03/05/19 00:36 | 1 |
| Dichlorodifluoromethane | ND | | 1.0 | 0.68 | ug/L | | | 03/05/19 00:36 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.74 | ug/L | | | 03/05/19 00:36 | 1 |
| 1,2-Dibromoethane | ND | | 1.0 | 0.73 | ug/L | | | 03/05/19 00:36 | 1 |
| Isopropylbenzene | ND | | 1.0 | 0.79 | ug/L | | | 03/05/19 00:36 | 1 |
| Methyl acetate | ND | | 2.5 | 1.3 | ug/L | | | 03/05/19 00:36 | 1 |
| Methyl tert-butyl ether | ND | | 1.0 | 0.16 | ug/L | | | 03/05/19 00:36 | 1 |
| Methylcyclohexane | ND | | 1.0 | 0.16 | ug/L | | | 03/05/19 00:36 | 1 |
| Methylene Chloride | ND | | 1.0 | 0.44 | ug/L | | | 03/05/19 00:36 | 1 |
| m,p-Xylene | ND | | 2.0 | 0.66 | ug/L | | | 03/05/19 00:36 | 1 |
| n-Butylbenzene | ND | | 1.0 | 0.64 | ug/L | | | 03/05/19 00:36 | 1 |
| N-Propylbenzene | ND | | 1.0 | 0.69 | ug/L | | | 03/05/19 00:36 | 1 |
| o-Xylene | ND | | 1.0 | 0.76 | ug/L | | | 03/05/19 00:36 | 1 |
| sec-Butylbenzene | ND | | 1.0 | 0.75 | ug/L | | | 03/05/19 00:36 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.36 | ug/L | | | 03/05/19 00:36 | 1 |
| Toluene | ND | | 1.0 | 0.51 | ug/L | | | 03/05/19 00:36 | 1 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-461505/9

Matrix: Water

Analysis Batch: 461505

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB | MB | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|----|----|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | ND | ND | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | ND | | | 1.0 | 0.90 | ug/L | | | 03/05/19 00:36 | 1 |
| trans-1,3-Dichloropropene | ND | ND | | | 1.0 | 0.37 | ug/L | | | 03/05/19 00:36 | 1 |
| Trichloroethene | ND | ND | | | 1.0 | 0.46 | ug/L | | | 03/05/19 00:36 | 1 |
| Trichlorofluoromethane | ND | ND | | | 1.0 | 0.88 | ug/L | | | 03/05/19 00:36 | 1 |
| Vinyl chloride | ND | ND | | | 1.0 | 0.90 | ug/L | | | 03/05/19 00:36 | 1 |
| Xylenes, Total | ND | ND | | | 2.0 | 0.66 | ug/L | | | 03/05/19 00:36 | 1 |
| cis-1,3-Dichloropropene | ND | ND | | | 1.0 | 0.36 | ug/L | | | 03/05/19 00:36 | 1 |
| Styrene | ND | ND | | | 1.0 | 0.73 | ug/L | | | 03/05/19 00:36 | 1 |
| tert-Butylbenzene | ND | ND | | | 1.0 | 0.81 | ug/L | | | 03/05/19 00:36 | 1 |

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|-----------|-----------|--------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 77 - 120 | | | | 03/05/19 00:36 | 1 |
| 4-Bromofluorobenzene (Surr) | 109 | | 73 - 120 | | | | 03/05/19 00:36 | 1 |
| Toluene-d8 (Surr) | 97 | | 80 - 120 | | | | 03/05/19 00:36 | 1 |

Lab Sample ID: LCS 480-461505/5

Matrix: Water

Analysis Batch: 461505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCs | LCS | Unit | D | %Rec | Limits |
|---|----------------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| 1,1,1-Trichloroethane | 25.0 | 27.4 | | ug/L | | 110 | 73 - 126 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 24.8 | | ug/L | | 99 | 76 - 120 |
| 1,1,2-Trichloro-1,2,2-trifluoroetha ne | 25.0 | 29.4 | | ug/L | | 117 | 61 - 148 |
| 1,1,2-Trichloroethane | 25.0 | 25.0 | | ug/L | | 100 | 76 - 122 |
| 1,1-Dichloroethane | 25.0 | 25.9 | | ug/L | | 104 | 77 - 120 |
| 1,1-Dichloroethene | 25.0 | 28.7 | | ug/L | | 115 | 66 - 127 |
| 1,2,4-Trichlorobenzene | 25.0 | 24.7 | | ug/L | | 99 | 79 - 122 |
| 1,2,4-Trimethylbenzene | 25.0 | 25.3 | | ug/L | | 101 | 76 - 121 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 24.4 | | ug/L | | 98 | 56 - 134 |
| 1,2-Dichlorobenzene | 25.0 | 24.6 | | ug/L | | 98 | 80 - 124 |
| 1,2-Dichloroethane | 25.0 | 24.1 | | ug/L | | 96 | 75 - 120 |
| 1,2-Dichloropropane | 25.0 | 26.6 | | ug/L | | 106 | 76 - 120 |
| 1,3,5-Trimethylbenzene | 25.0 | 25.2 | | ug/L | | 101 | 77 - 121 |
| 1,3-Dichlorobenzene | 25.0 | 24.6 | | ug/L | | 98 | 77 - 120 |
| 1,4-Dichlorobenzene | 25.0 | 24.6 | | ug/L | | 99 | 80 - 120 |
| 2-Butanone (MEK) | 125 | 249 | * | ug/L | | 199 | 57 - 140 |
| 2-Hexanone | 125 | 134 | | ug/L | | 107 | 65 - 127 |
| 4-Isopropyltoluene | 25.0 | 26.3 | | ug/L | | 105 | 73 - 120 |
| 4-Methyl-2-pentanone (MIBK) | 125 | 118 | | ug/L | | 95 | 71 - 125 |
| Acetone | 125 | 137 | | ug/L | | 110 | 56 - 142 |
| Benzene | 25.0 | 27.2 | | ug/L | | 109 | 71 - 124 |
| Bromoform | 25.0 | 31.8 | | ug/L | | 127 | 61 - 132 |
| Bromomethane | 25.0 | 27.2 | | ug/L | | 109 | 55 - 144 |
| Carbon disulfide | 25.0 | 24.0 | | ug/L | | 96 | 59 - 134 |
| Carbon tetrachloride | 25.0 | 30.8 | | ug/L | | 123 | 72 - 134 |
| Chlorobenzene | 25.0 | 25.1 | | ug/L | | 100 | 80 - 120 |
| Dibromochloromethane | 25.0 | 31.6 | * | ug/L | | 126 | 75 - 125 |

TestAmerica Buffalo

QC Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
 Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-461505/5

Matrix: Water

Analysis Batch: 461505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec. |
|---------------------------|-------|--------|-----------|------|-----|----------|-------|
| | Added | Result | Qualifier | | | | |
| Chloroethane | 25.0 | 26.5 | | ug/L | 106 | 69 - 136 | |
| Chloroform | 25.0 | 25.6 | | ug/L | 102 | 73 - 127 | |
| Chloromethane | 25.0 | 25.7 | | ug/L | 103 | 68 - 124 | |
| cis-1,2-Dichloroethene | 25.0 | 25.8 | | ug/L | 103 | 74 - 124 | |
| Cyclohexane | 25.0 | 29.6 | | ug/L | 118 | 59 - 135 | |
| Bromodichloromethane | 25.0 | 30.1 | | ug/L | 121 | 80 - 122 | |
| Dichlorodifluoromethane | 25.0 | 28.7 | | ug/L | 115 | 59 - 135 | |
| Ethylbenzene | 25.0 | 24.9 | | ug/L | 99 | 77 - 123 | |
| 1,2-Dibromoethane | 25.0 | 28.2 | | ug/L | 113 | 77 - 120 | |
| Isopropylbenzene | 25.0 | 25.0 | | ug/L | 100 | 77 - 122 | |
| Methyl acetate | 50.0 | 44.7 | | ug/L | 89 | 74 - 133 | |
| Methyl tert-butyl ether | 25.0 | 25.8 | | ug/L | 103 | 77 - 120 | |
| Methylcyclohexane | 25.0 | 30.4 | | ug/L | 122 | 68 - 134 | |
| Methylene Chloride | 25.0 | 26.4 | | ug/L | 106 | 75 - 124 | |
| m,p-Xylene | 25.0 | 25.4 | | ug/L | 102 | 76 - 122 | |
| n-Butylbenzene | 25.0 | 25.3 | | ug/L | 101 | 71 - 128 | |
| N-Propylbenzene | 25.0 | 24.6 | | ug/L | 98 | 75 - 127 | |
| o-Xylene | 25.0 | 23.6 | | ug/L | 94 | 76 - 122 | |
| sec-Butylbenzene | 25.0 | 25.7 | | ug/L | 103 | 74 - 127 | |
| Tetrachloroethene | 25.0 | 29.3 | | ug/L | 117 | 74 - 122 | |
| Toluene | 25.0 | 25.3 | | ug/L | 101 | 80 - 122 | |
| trans-1,2-Dichloroethene | 25.0 | 26.1 | | ug/L | 104 | 73 - 127 | |
| trans-1,3-Dichloropropene | 25.0 | 28.0 | | ug/L | 112 | 80 - 120 | |
| Trichloroethene | 25.0 | 27.2 | | ug/L | 109 | 74 - 123 | |
| Trichlorofluoromethane | 25.0 | 27.6 | | ug/L | 110 | 62 - 150 | |
| Vinyl chloride | 25.0 | 27.5 | | ug/L | 110 | 65 - 133 | |
| cis-1,3-Dichloropropene | 25.0 | 30.6 | | ug/L | 123 | 74 - 124 | |
| Styrene | 25.0 | 25.3 | | ug/L | 101 | 80 - 120 | |
| tert-Butylbenzene | 25.0 | 26.2 | | ug/L | 105 | 75 - 123 | |

| Surrogate | LCS | LCS | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 77 - 120 |
| 4-Bromofluorobenzene (Surr) | 109 | | 73 - 120 |
| Toluene-d8 (Surr) | 100 | | 80 - 120 |

QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

GC/MS VOA

Analysis Batch: 461505

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-149696-1 | SB-2W | Total/NA | Water | 8260C | |
| MB 480-461505/9 | Method Blank | Total/NA | Water | 8260C | |
| LCS 480-461505/5 | Lab Control Sample | Total/NA | Water | 8260C | |

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Client Sample ID: SB-2W

Date Collected: 03/01/19 09:15

Date Received: 03/01/19 16:00

Lab Sample ID: 480-149696-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 2 | 461505 | 03/05/19 02:58 | NMC | TAL BUF |

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Accreditation/Certification Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York | NELAP | 2 | 10026 | 03-31-19 * |

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* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

| Method | Method Description | Protocol | Laboratory |
|--------|-------------------------------------|----------|------------|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL BUF |
| 5030C | Purge and Trap | SW846 | TAL BUF |

Protocol References:

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

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Sample Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Benchmark - 305-339 Ganson St.

TestAmerica Job ID: 480-149696-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 480-149696-1 | SB-2W | Water | 03/01/19 09:15 | 03/01/19 16:00 |

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TestAmerica Buffalo

10 Hazelwood Drive

Anherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record

304522

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-0210 (0713)

DW NPDES RCRA Other:

Regulatory Program:

Client Contact

Project Manager: **BRYAN MAYBACK**

Tel/Fax:

Analysis Turnaround Time

CALENDAR DAYS

WORKING DAYS

TAT if different from Below _____

2 weeks

1 week

STD

2 days

1 day

Filtered Sample (Y/N) **Y**

Preferred Sample MS / MSD (Y/N) **Y**

Perform MS / MSD (Y/N) **Y**

Sample Specific Notes:

Sample Date

Sample Time

Sample Type (C=Comp, G=Grab)

Matrix

of Cont.

3/1/19 9:15

C

Aqua 3

X

Return to Client

Disposal by Lab

Archive for _____

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Disposal by Lab

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480-149696 Chain of Custody

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Possibly Hazardous Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard

Flammable

Skin Irritant

Poison B

Unknown

Corrosive

Coolant Temp. (°C): Obs'd: _____

Therm ID No.: _____

Received by: **BEN CHMACK**

Date/Time: **3/1/19 16:30**

Company: **TestAmerica**

Date/Time: **3/1/19 16:00**

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Login Sample Receipt Checklist

Client: Benchmark Env. Eng. & Science, PLLC

Job Number: 480-149696-1

Login Number: 149696

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. | 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 (Excluding tests with immediate HTs).. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| 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 | BENCHMARK |
| Samples received within 48 hours of sampling. | True | |
| Samples requiring field filtration have been filtered in the field. | True | |
| Chlorine Residual checked. | N/A | |