

**SUPPLEMENTAL PHASE II SOIL BORING LOGS,  
UPDATED FIGURE, ANALYTICAL TABLE AND  
LABORATORY ANALYTICAL REPORT.**

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DATE: JUNE 2019  
DRAFTED BY: CCB

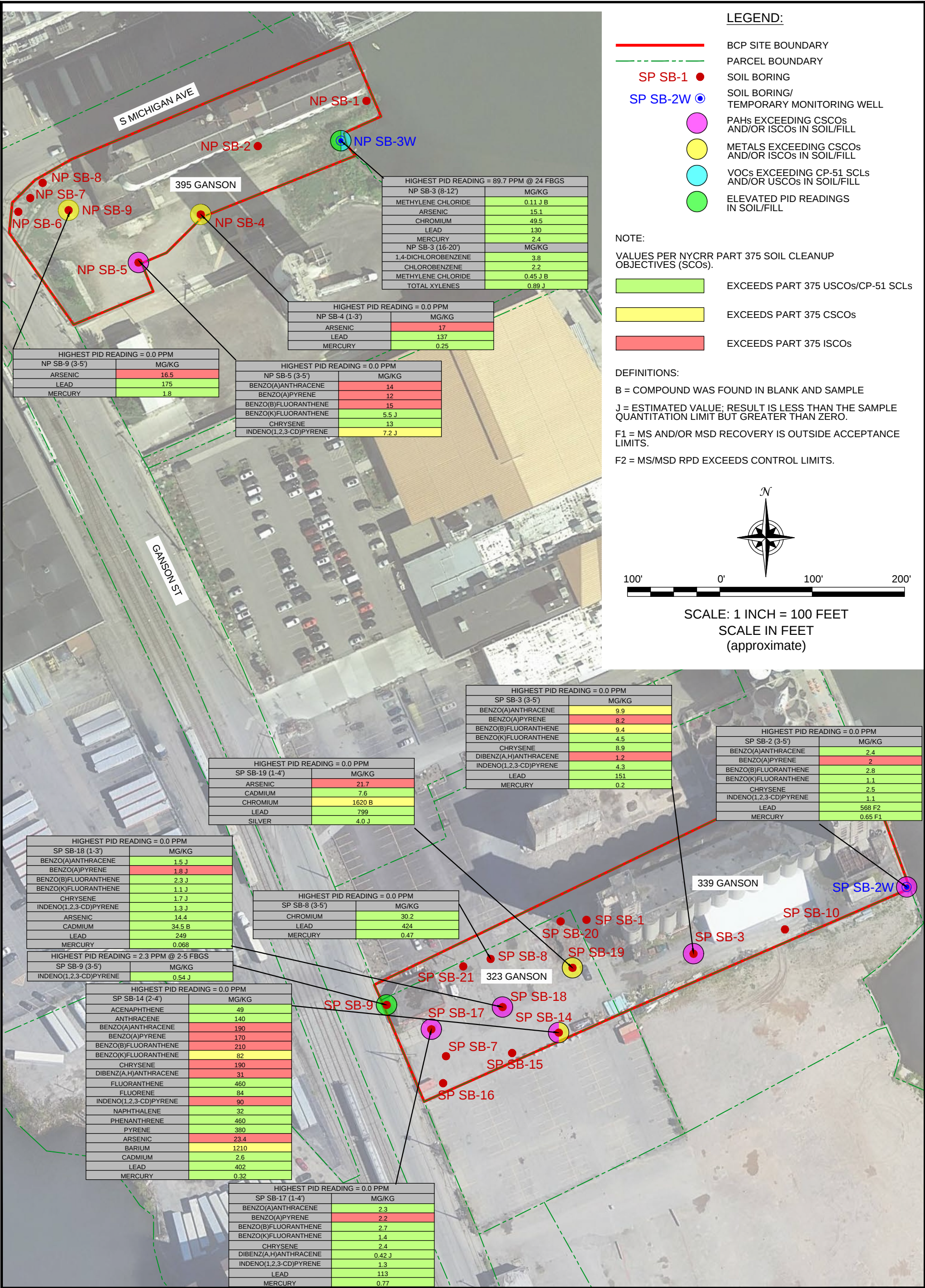


FIGURE 6

## INVESTIGATION LOCATIONS AND AREAS OF CONCERN

BROWNFIELD CLEANUP PROGRAM APPLICATION  
BUFFALO RIVERWORKS SITE  
BUFFALO, NEW YORK

PREPARED FOR  
KETRY RE LLC



2558 HAMBURG TURNPIKE  
SUITE 300  
BUFFALO, NY 14218  
(716) 856-0599

JOB NO.: 0476-018-001

**DISCLAIMER:**  
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TABLE 1

SUMMARY OF SUBSURFACE SOIL/FILL SAMPLE 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 <sup>1</sup>                                       | CP-51 SCLs <sup>2</sup> | Unrestricted<br>Use SCOs <sup>3</sup> | Commercial<br>Use SCOs <sup>3</sup> | Industrial<br>Use SCOs <sup>3</sup> | Sample Location (Depth - ft)          |                     |                   |                   |                   |                                            |                   |                   |                   |                                                          |                    |                    |                    |
|--------------------------------------------------------------|-------------------------|---------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|---------------------|-------------------|-------------------|-------------------|--------------------------------------------|-------------------|-------------------|-------------------|----------------------------------------------------------|--------------------|--------------------|--------------------|
|                                                              |                         |                                       |                                     |                                     | NP SB-3<br>(8-12')                    | NP SB-3<br>(16-20') | NP SB-4<br>(1-3') | NP SB-5<br>(3-5') | NP SB-9<br>(3-5') | SP SB-2<br>(3-5')                          | SP SB-3<br>(2-4') | SP SB-8<br>(3-5') | SP SB-9<br>(3-5') | SP SB-14<br>(2-4')                                       | SP SB-17<br>(1-4') | SP SB-18<br>(1-3') | SP SB-19<br>(1-4') |
|                                                              |                         |                                       |                                     |                                     | 395 GANSON STREET (NORTHERN PROPERTY) |                     |                   |                   |                   | 323, 339 GANSON STREET (SOUTHERN PROPERTY) |                   |                   |                   | 323, 339 GANSON STREET (SOUTHERN PROPERTY - SUPPLEMENTAL |                    |                    |                    |
|                                                              |                         |                                       |                                     |                                     | 2/28/2019                             |                     |                   |                   |                   | 2/27/2019                                  |                   |                   |                   | 5/9/2019                                                 |                    |                    |                    |
| Volatile Organic Compounds (VOCs) - mg/Kg <sup>4</sup>       |                         |                                       |                                     |                                     |                                       |                     |                   |                   |                   |                                            |                   |                   |                   |                                                          |                    |                    |                    |
| 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/Kg <sup>4</sup> |                         |                                       |                                     |                                     |                                       |                     |                   |                   |                   |                                            |                   |                   |                   |                                                          |                    |                    |                    |
| Acenaphthene                                                 | 20                      | 20                                    | 500                                 | 1000                                | 0.99                                  | --                  | ND                | 6.2 J             | ND                | 0.26 J                                     | 3.5               | ND                | ND                | 49                                                       | 0.18 J             | ND                 | ND                 |
| Acenaphthylene                                               | 100                     | 100                                   | 500                                 | 1000                                | ND                                    | --                  | ND                | ND                | ND                | ND                                         | ND                | ND                | ND                | 27                                                       | 0.2 J              | 0.44 J             | 0.032 J            |
| Anthracene                                                   | 100                     | 100                                   | 500                                 | 1000                                | 1                                     | --                  | ND                | 11                | ND                | 0.69 J                                     | 7.5               | ND                | ND                | 140                                                      | 0.61 J             | ND                 | 0.081 J            |
| Benzo(a)anthracene                                           | 1                       | 1                                     | 5.6                                 | 11                                  | 0.89                                  | --                  | ND                | 14                | 0.21 J            | 2.4                                        | 9.9               | ND                | 0.44 J            | 190                                                      | 2.3                | 1.5 J              | 0.33               |
| Benzo(a)pyrene                                               | 1                       | 1                                     | 1                                   | 1.1                                 | 0.68                                  | --                  | ND                | 12                | 0.18 J            | 2                                          | 8.2               | ND                | ND                | 170                                                      | 2.2                | 1.8 J              | 0.36               |
| Benzo(b)fluoranthene                                         | 1                       | 1                                     | 5.6                                 | 11                                  | 0.83                                  | --                  | ND                | 15                | 0.24 J            | 2.8                                        | 9.4               | 0.77 J            | 0.94 J            | 210                                                      | 2.7                | 2.3 J              | 0.48               |
| Benzo(ghi)perylene                                           | 100                     | 100                                   | 500                                 | 1000                                | 0.35 J                                | --                  | ND                | 6.8 J             | 0.15 J            | 1.4                                        | 4.7               | 0.53 J            | 0.62 J            | 100                                                      | 1.4                | 1.6 J              | 0.34               |
| Benzo(k)fluoranthene                                         | 0.8                     | 0.8                                   | 56                                  | 110                                 | 0.27 J                                | --                  | ND                | 5.5 J             | ND                | 1.1                                        | 4.5               | ND                | ND                | 82                                                       | 1.4                | 1.1 J              | 0.24               |
| Chrysene                                                     | 1                       | 1                                     | 56                                  | 110                                 | 0.76                                  | --                  | ND                | 13                | ND                | 2.5                                        | 8.9               | ND                | ND                | 190                                                      | 2.4                | 1.7 J              | 0.37               |
| Dibenzo(a,h)anthracene                                       | 0.33                    | 0.33                                  | 0.56                                | 1.1                                 | ND                                    | --                  | ND                | ND                | ND                | ND                                         | 1.2               | ND                | ND                | 31                                                       | 0.42 J             | ND                 | ND                 |
| Fluoranthene                                                 | 100                     | 100                                   | 500                                 | 1000                                | 2.3                                   | --                  | ND                | 37                | 0.37 J            | 4.8                                        | 20                | 1.2 J             | 1.7 J             | 460                                                      | 4.7                | 2.5                | 0.59               |
| Fluorene                                                     | 30                      | 30                                    | 500                                 | 1000                                | 1.6                                   | --                  | ND                | 14                | ND                | 0.19 J                                     | 3.5               | ND                | ND                | 84                                                       | 0.19 J             | ND                 | 0.032 J            |
| 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               | ND                | 0.54 J            | 90                                                       | 1.3                | 1.3 J              | 0.3                |
| Naphthalene                                                  | 12                      | 12                                    | 500                                 | 1000                                | 0.12 J                                | --                  | ND                | 9.5 J             | ND                | ND                                         | 0.59 J            | ND                | ND                | 32                                                       | ND                 | 0.32 J             | ND                 |
| Phenanthrene                                                 | 100                     | 100                                   | 500                                 | 1000                                | 2.8                                   | --                  | ND                | 48                | 0.39 J            | 3                                          | 21                | ND                | ND                | 460                                                      | 4.1                | 2.2                | 0.5                |
| Pyrene                                                       | 100                     | 100                                   | 500                                 | 1000                                | 1.7                                   | --                  | ND                | 26                | 0.32 J            | 4                                          | 17                | 1.1 J             | 1.3 J             | 380                                                      | 2.2                | 1.4 J              | 0.29 J             |
| Total PAHs                                                   | --                      | --                                    | --                                  | --                                  | 14.64 J                               | --                  | 0                 | 225.2 J           | 1.86 J            | 26.24 J                                    | 124.19 J          | 3.6 J             | 5.54 J            | 2695                                                     | 26.3 J             | 18.16 J            | 3.945 J            |
| Metals - mg/Kg                                               |                         |                                       |                                     |                                     |                                       |                     |                   |                   |                   |                                            |                   |                   |                   |                                                          |                    |                    |                    |
| Arsenic                                                      | --                      | 13                                    | 16                                  | 16                                  | 15.1                                  | --                  | 17                | 5.6               | 16.5              | 7.7 F1                                     | 6.8               | 6.9               | 3.6               | 23.4                                                     | 7.4                | 14.4               | 21.7               |
| Barium                                                       | --                      | 350                                   | 400                                 | 10000                               | 96.1                                  | --                  | 137               | 92.4              | 240               | 177                                        | 130               | 102               | 116               | 1210                                                     | 67                 | 141                | 99.3               |
| Cadmium                                                      | --                      | 2.5                                   | 9.3                                 | 60                                  | 0.74                                  | --                  | 0.49              | 0.37              | 0.52              | 0.56 F1                                    | 0.42              | 0.57              | 0.22 J            | 2.6                                                      | 0.47               | 0.22               | 7.6                |
| Chromium                                                     | --                      | 30                                    | 1500                                | 6800                                | 49.5                                  | --                  | 10.3              | 14.7              | 22.5              | 12 F2                                      | 26.3              | 30.2              | 7                 | 8.1 B                                                    | 10.6 B             | 34.5 B             | 1620 B             |
| Lead                                                         | --                      | 63                                    | 1000                                | 3900                                | 130                                   | --                  | 137               | 57.9              | 175               | 568 F2                                     | 151               | 424               | 44.1              | 402                                                      | 113                | 249                | 799                |
| Mercury                                                      | --                      | 0.18                                  | 2.8                                 | 5.7                                 | 2.4                                   | --                  | 0.25              | 0.12              | 1.8               | 0.65 F1                                    | 0.2               | 0.47              | 0.041             | 0.32                                                     | 0.77               | 0.068              | 0.085              |
| Selenium                                                     | --                      | 3.9                                   | 1500                                | 6800                                | ND                                    | --                  | 0.97 J            | ND                | ND                | 1.3 J F1                                   | ND                | 0.97 J            | 0.93 J            | 2.2 J                                                    | ND                 | ND                 | ND                 |
| Silver                                                       | --                      | 2                                     | 1500                                | 6800                                | ND                                    | --                  | ND                | ND                | 0.76              | ND                                         | --                | ND                | ND                | ND                                                       | 0.53 J             | ND                 | 4 J                |
| Polychlorinated biphenyls (PCBs) - mg/Kg                     |                         |                                       |                                     |                                     |                                       |                     |                   |                   |                   |                                            |                   |                   |                   |                                                          |                    |                    |                    |
| Total PCBs                                                   | --                      | 0.1                                   | 1                                   | 25                                  | ND                                    | ND                  | ND                | ND                | --                | ND                                         | --                | --                | --                | --                                                       | --                 | --                 | --                 |

- Notes:
- Only those parameters detected at a minimum of one sample location are presented in this table; other compounds were reported as non-detect.
  - Values per NYSDEC CP-51 Soil Cleanup Levels (SCLs) for petroleum impacted sites.
  - Values per NYSDEC Part 375 Soil Cleanup Objectives (SCOs).
  - 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.  
F2 = MS/MSD RPD exceeds control limits.  
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.  
B = Compound was found in blank and sample.

|             |                                                          |
|-------------|----------------------------------------------------------|
| <b>Bold</b> | = Result exceeds Unrestricted Use SCOs and/or CP-51 SCL. |
| <b>Bold</b> | = Result exceeds Commercial Use SCOs.                    |
| <b>Bold</b> | = Result exceeds Industrial use SCOs.                    |

Project No: B0476-018-001

Borehole Number: SP SB-10

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

| SUBSURFACE PROFILE |                 |                                                                                                                                                     | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 50 100 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|------------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                    |               |                                             |
| 0.0                | 0.0             | Ground Surface                                                                                                                                      |            |             |              |        |                                    |               |                                             |
|                    | 0.0             | <b>Gravel and Subbase</b>                                                                                                                           |            |             |              |        |                                    |               |                                             |
|                    | -0.5            |                                                                                                                                                     |            |             |              |        |                                    |               |                                             |
|                    | 0.5             | <b>Fill - Black Granular</b>                                                                                                                        |            |             |              |        |                                    |               |                                             |
|                    | -1.0            | Black, moist, mostly medium grained granular fines and sand, some medium plastic fines, some red brick, some coal and cinders, no odor.             |            |             |              |        |                                    |               |                                             |
|                    | 1.0             | <b>Fill - Sandy Lean Clay</b>                                                                                                                       |            |             | 73%          |        |                                    |               |                                             |
|                    |                 | Black, moist, mostly medium plastic fines, some fine sand, some red brick, some cinders, some wood ties, medium toughness, medium density, no odor. |            |             |              |        |                                    |               |                                             |
|                    | -4.0            |                                                                                                                                                     |            |             |              |        |                                    |               |                                             |
|                    | 4.0             | <b>Native - Lean Clay</b>                                                                                                                           |            |             |              |        |                                    |               |                                             |
|                    |                 | Dark grey, moist to wet at 6 fbgs, mostly medium plastic fines, trace fine sand, medium density, medium toughness to soft, no odor.                 |            |             | 88%          |        |                                    |               |                                             |
| 5.0                |                 |                                                                                                                                                     |            |             |              |        |                                    |               |                                             |
|                    | -8.0            |                                                                                                                                                     |            |             |              |        |                                    |               |                                             |
|                    | 8.0             | <b>Native - Poorly Graded Sand with Clay</b>                                                                                                        |            |             |              |        |                                    |               |                                             |
|                    |                 | Brown, wet, mostly fine sand, some medium plastic fines, no odor.                                                                                   |            |             |              |        |                                    |               |                                             |
|                    |                 |                                                                                                                                                     |            |             |              |        |                                    |               |                                             |
| 10.0               |                 |                                                                                                                                                     |            |             | 38%          |        |                                    |               |                                             |
|                    | -12.0           |                                                                                                                                                     |            |             |              |        |                                    |               |                                             |
|                    | 12.0            | End of Borehole                                                                                                                                     |            |             |              |        |                                    |               |                                             |

Water level

Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 5/9/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-14

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

| SUBSURFACE PROFILE |                 |                                                                                                                                                                            | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 50 100 | Lab<br>Sample   | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|------------------------------------|-----------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                       | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                    |                 |                                             |
| 0.0                | 0.0<br>0.0      | Ground Surface<br><b>Asphalt and Subbase</b>                                                                                                                               |            |             |              |        |                                    |                 |                                             |
|                    | -1.0<br>1.0     | <b>Fill - Black Granular</b><br>Black, moist to wet at 4 fbgs, mostly medium grained granular material, some fine sand, some coal, some cinders, trace red brick, no odor. |            |             | 85%          |        | 0.0                                |                 |                                             |
|                    | -2.5<br>2.5     | Lean clay lens from 2.5-3 fbgs.                                                                                                                                            |            |             |              |        | 0.0                                | Sample Location |                                             |
|                    | -5.0<br>5.0     | <b>Native - Lean Clay</b><br>Dark brown, wet, mostly medium plastic fines, trace fine sand, medium density, medium toughness, no odor.                                     |            |             | 94%          |        | 0.0                                |                 |                                             |
|                    | -8.0<br>8.0     | End of Borehole                                                                                                                                                            |            |             |              |        | 0.0                                |                 |                                             |

Water level

Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 5/9/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-15

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

| SUBSURFACE PROFILE |                 |                                                                                                                                                                                        | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 50 100 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|------------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                                   | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                    |               |                                             |
| 0.0                | 0.0             | Ground Surface                                                                                                                                                                         |            |             |              |        |                                    |               |                                             |
|                    | 0.0             | <b>Asphalt and Subbase</b>                                                                                                                                                             |            |             |              |        |                                    |               |                                             |
|                    | -0.8            |                                                                                                                                                                                        |            |             |              |        |                                    |               |                                             |
|                    | 0.8             | <b>Fill - Black Granular</b><br>Black, moist, mostly medium grained granular material, some fine sand, some coal, some cinders, trace red brick, trace slag, no odor.                  |            |             | 71%          |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | -3.5            |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | 3.5             | <b>Fill - Lean Clay</b><br>Dark brown, moist, mostly medium plastic fines, trace fine sand, medium density, medium toughness, no odor.                                                 |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
| 5.0                | -5.0            |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | 5.0             | <b>Fill - Black Granular</b><br>Black, moist to wet at 6 fbgs, mostly medium grained granular material, some fine sand, some coal, some cinders, trace red brick, trace slag, no odor. |            |             | 88%          |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | -6.5            |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | 6.5             | <b>Native - Lean to Sandy Lean Clay</b><br>Dark brown, wet, mostly medium plastic fines, trace/some fine sand, medium density, medium toughness, no odor.                              |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | -8.0            |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | 8.0             | End of Borehole                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |

Water level

Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 5/9/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-16

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

Logged By: CMS

Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                                                                        | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 50 100 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|------------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                                   | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                    |               |                                             |
| 0.0                | 0.0             | Ground Surface                                                                                                                                                                         |            |             |              |        |                                    |               |                                             |
|                    | 0.0             | <b>Asphalt and Subbase</b>                                                                                                                                                             |            |             |              |        |                                    |               |                                             |
|                    | -0.5            |                                                                                                                                                                                        |            |             |              |        |                                    |               |                                             |
|                    | 0.5             | <b>Fill - Poorly Graded Sand</b><br>Black, moist, mostly fine sand, trace slag, trace coal, no odor.                                                                                   |            |             | 71%          |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | -3.5            |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | 3.5             | <b>Fill - Lean Clay</b><br>Dark brown, moist, mostly medium plastic fines, trace fine sand, medium density, medium toughness, no odor.                                                 |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
| 5.0                | -5.0            |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | 5.0             | <b>Fill - Black Granular</b><br>Black, moist to wet at 6 fbgs, mostly medium grained granular material, some fine sand, some coal, some cinders, trace red brick, trace slag, no odor. |            |             | 88%          |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | -6.5            |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | 6.5             | <b>Native - Lean to Sand Lean Clay</b><br>Dark brown, wet, mostly medium plastic fines, trace/some fine sand, medium density, medium toughness, no odor.                               |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | -8.0            |                                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |
|                    | 8.0             | End of Borehole                                                                                                                                                                        |            |             |              |        | 0.0                                |               |                                             |

Water level

Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 5/9/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-17

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

Logged By: CMS

Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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Buffalo, NY 14218  
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| SUBSURFACE PROFILE |                 |                                                                                                                                                                              | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 50 100 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|------------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                         | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                    |               |                                             |
| 0.0                | 0.0             | Ground Surface                                                                                                                                                               |            |             |              |        |                                    |               |                                             |
|                    | 0.0             | <b>Asphalt and Subbase</b>                                                                                                                                                   |            |             |              |        |                                    |               |                                             |
|                    | -0.5            |                                                                                                                                                                              |            |             |              |        |                                    |               |                                             |
|                    | 0.5             | <b>Fill - Urban Fill</b><br>Dark brown, mostly fine sand, layers of red brick, concrete, ash, cinders, no odor.                                                              |            |             | 48%          |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
| 5.0                |                 |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    | -5.5            |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    | 5.5             | <b>Native - Lean to Sandy Lean Clay</b><br>Dark brown, moist to wet at 5 fbgs, mostly medium plastic fines, trace/some fine sand, medium toughness, medium density, no odor. |            |             | 81%          |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    |                 |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    | -8.0            |                                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |
|                    | 8.0             | End of Borehole                                                                                                                                                              |            |             |              |        | 0.0                                |               |                                             |

Water level

Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 5/9/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

Project No: B0476-018-001

Borehole Number: SP SB-18

Project: Phase II

A.K.A.:

Client: Buffalo Riverworks LLC

Logged By: CMS

Site Location: 305, 323, 339 Ganson Street

Checked By: BWM



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Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                            | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 50 100 | Lab<br>Sample   | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|------------------------------------|-----------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                       | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                    |                 |                                             |
| 0.0                | 0.0             | Ground Surface                                                                                                                             |            |             |              |        |                                    |                 |                                             |
|                    | 0.0             | <b>Asphalt and Subbase</b>                                                                                                                 |            |             |              |        |                                    |                 |                                             |
|                    | -0.5            |                                                                                                                                            |            |             |              |        |                                    |                 |                                             |
|                    | 0.5             | <b>Fill - Black Granular</b><br>Black, moist, mostly medium grained granular materials, some coal, some cinders, some fine sand, no odor.  |            |             |              |        | 0.0                                |                 |                                             |
|                    | -2.0            |                                                                                                                                            |            |             | 75%          |        | 0.0                                | Sample location |                                             |
|                    | 2.0             | <b>Fill - Lean Clay</b><br>Dark brown, moist, trace fine sand, medium density, medium toughness, no odor.<br><br>Coal lens from 2-2.5 fbgs |            |             |              |        | 0.0                                |                 |                                             |
|                    | -3.5            |                                                                                                                                            |            |             |              |        | 0.0                                |                 |                                             |
|                    | 3.5             | <b>Fill - Poorly Graded Sand</b><br>Black, moist to wet at 4 fbgs, mostly fine sand, some red brick, some wood, trace cinders, no odor.    |            |             |              |        | 0.0                                |                 |                                             |
|                    | -6.0            |                                                                                                                                            |            |             | 58%          |        | 0.0                                |                 |                                             |
|                    | 6.0             | <b>Native - Lean Clay</b><br>Reddish brown, wet, mostly medium plastic fines, trace fine sand, medium density, medium toughness, no odor.  |            |             |              |        | 0.0                                |                 |                                             |
|                    | -8.0            |                                                                                                                                            |            |             |              |        | 0.0                                |                 |                                             |
|                    | 8.0             | End of Borehole                                                                                                                            |            |             |              |        | 0.0                                |                 |                                             |

Water level

Drilled By: Trec Environmental

Drill Rig Type: 54LT

Drill Method: Direct Push

Comments:

Drill Date(s): 5/9/2019

Hole Size: 2"

Stick-up:

Datum:

Sheet: 1 of 1

**Borehole Number: SP SB-19**

**Project:** Phase II

**A.K.A.:**

**Client:** Buffalo Riverworks LLC

**Logged By:** CMS

**Site Location:** 305, 323, 339 Ganson Street

**Checked By:** BWM



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Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |              |                                                                                                                                                                                 | SAMPLE     |             |              |        | PID VOCs<br>ppm<br>0 50 100 | Lab Sample | Well Completion Details or Remarks |
|--------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|-----------------------------|------------|------------------------------------|
| Depth (fbgs)       | Elev. /Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                                            | Sample No. | SPT N-Value | Recovery (%) | Symbol |                             |            |                                    |
| 0.0                | 0.0<br>0.0   | Ground Surface                                                                                                                                                                  |            |             |              |        |                             |            |                                    |
|                    |              | <b>Asphalt and Subbase</b>                                                                                                                                                      |            |             |              |        |                             |            |                                    |
|                    | -0.5<br>0.5  | <b>Fill - Black Granular</b><br>Black, moist to wet at 4 fbgs, mostly medium grained granular materials, some coal, some cinders, some slag fragments, some fine sand, no odor. |            |             | 79%          |        | 0.0                         |            |                                    |
|                    |              |                                                                                                                                                                                 |            |             |              |        | 0.0                         |            |                                    |
|                    |              |                                                                                                                                                                                 |            |             |              |        | 0.0                         |            |                                    |
|                    |              |                                                                                                                                                                                 |            |             |              |        | 0.0                         |            |                                    |
|                    |              |                                                                                                                                                                                 |            |             |              |        | 0.0                         |            |                                    |
|                    |              |                                                                                                                                                                                 |            |             |              |        | 0.0                         |            |                                    |
| 5.0                | -5.5<br>5.5  | <b>Native - Lean Clay</b><br>Dark brown, wet, mostly medium plastic fines, trace fine sand, medium density, medium toughness, no odor.                                          |            |             | 96%          |        | 0.0                         |            |                                    |
|                    |              |                                                                                                                                                                                 |            |             |              |        | 0.0                         |            |                                    |
|                    |              |                                                                                                                                                                                 |            |             |              |        | 0.0                         |            |                                    |
|                    |              |                                                                                                                                                                                 |            |             |              |        | 0.0                         |            |                                    |
|                    | -8.0<br>8.0  | End of Borehole                                                                                                                                                                 |            |             |              |        | 0.0                         |            |                                    |

***Drilled By: Trec Environmental***

**Drill Rig Type: 54LT**

**Drill Method: Direct Push**

**Comments:**

**Drill Date(s): 5/9/2019**

**Hole Size: 2"**

**Stick-up:**

**Datum:**

**Sheet: 1 of 1**

**Borehole Number: SP SB-20**

**Project:** Phase II

**A.K.A.:**

**Client:** Buffalo Riverworks LLC

**Logged By:** CMS

**Site Location:** 305, 323, 339 Ganson Street

**Checked By:** BWM



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Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |              |                                                                                                                                                            | SAMPLE     |             |              |        | PID VOCs<br>ppm<br>0 50 100     | Lab Sample | Well Completion Details or Remarks |
|--------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|---------------------------------|------------|------------------------------------|
| Depth (fbgs)       | Elev. /Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                                       | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                 |            |                                    |
| 0.0                | 0.0<br>0.0   | Ground Surface                                                                                                                                             |            |             |              |        |                                 |            |                                    |
|                    |              | <b>Asphalt and Subbase</b>                                                                                                                                 |            |             |              |        |                                 |            |                                    |
|                    | -0.5<br>0.5  | <b>Fill - Black Granular</b><br>Black, moist to wet at 4 fbgs, mostly medium grained granular materials, some coal, some cinders, some fine sand, no odor. |            |             | 52%          |        | 0.0<br>0.0<br>0.0<br>0.0<br>0.0 |            |                                    |
| 5.0                | -5.0<br>5.0  | <b>Native - Lean Clay</b><br>Dark brown, wet, mostly medium plastic fines, trace fine sand, medium density, medium toughness, no odor.                     |            |             | 81%          |        | 0.0<br>0.0<br>0.0               |            |                                    |
|                    | -8.0<br>8.0  | End of Borehole                                                                                                                                            |            |             |              |        | 0.0                             |            |                                    |

**Drilled By:** Trec Environmental  
**Drill Rig Type:** 54LT  
**Drill Method:** Direct Push  
**Comments:**  
**Drill Date(s):** 5/9/2019

**Hole Size: 2"**  
**Stick-up:**  
**Datum:**

**Sheet: 1 of 1**

**Borehole Number: SP SB-21**

**Project:** Phase II

**A.K.A.:**

**Client:** Buffalo Riverworks LLC

**Logged By:** CMS

**Site Location:** 305, 323, 339 Ganson Street

**Checked By:** BWM



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Buffalo, NY 14218  
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[illegible]

**Drilled By:** Trec Environmental  
**Drill Rig Type:** 54LT  
**Drill Method:** Direct Push  
**Comments:**  
**Drill Date(s):** 5/9/2019

**Hole Size: 2"**  
**Stick-up:**  
**Datum:**

**Sheet: 1 of 1**

## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

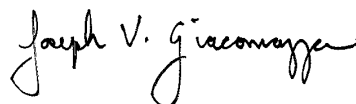
Laboratory Job ID: 480-153404-1

Client Project/Site: Benchmark - Ganson St.

For:

Benchmark Env. Eng. & Science, PLLC  
2558 Hamburg Turnpike  
Lackawanna, New York 14218

Attn: Bryan Mayback



Authorized for release by:  
5/30/2019 3:10:33 PM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Brian Fischer, Manager of Project Management  
(716)504-9835  
[brian.fischer@testamericainc.com](mailto:brian.fischer@testamericainc.com)

### LINKS

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*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 - Ganson St.

Job ID: 480-153404-1

### Qualifiers

#### 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                                                                            |

#### Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | 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 - Ganson St.

Job ID: 480-153404-1

## Job ID: 480-153404-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-153404-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/10/2019 10:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

#### GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to color, appearance and viscosity: SP-SB-12 1-3FT (480-153404-1) and SP-SB-14 2-4FT (480-153404-3). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples were diluted due to color and appearance: SP-SB-17 1-4FT (480-153404-4) and SP-SB-18 1-3FT (480-153404-5). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following samples required a dilution due to physical characteristics: SP-SB-12 1-3FT (480-153404-1) and SP-SB-14 2-4FT (480-153404-3). 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.

#### Metals

Method(s) 6010C: The following sample was diluted due to the presence of Total Manganese which interferes with Silver, Chromium, and Selenium: SP-SB-12 1-3FT (480-153404-1). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample was diluted due to the nature of the sample matrix: SP-SB-19 1-4FT (480-153404-6). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample was diluted due to the presence of Total Manganese which interferes with Silver, Chromium, and Selenium: SP-SB-19 1-4FT (480-153404-6). Elevated reporting limits (RLs) are provided.

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

#### Organic Prep

Method(s) 3550C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: SP-SB-18 1-3FT (480-153404-5). The reporting limits (RLs) have been adjusted 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 - Ganson St.

Job ID: 480-153404-1

## Client Sample ID: SP-SB-12 1-3FT

## Lab Sample ID: 480-153404-1

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Benzo[a]anthracene     | 5900   | J         | 9200  | 920    | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Benzo[a]pyrene         | 5300   | J         | 9200  | 1400   | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Benzo[b]fluoranthene   | 7600   | J         | 9200  | 1500   | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Benzo[g,h,i]perylene   | 3300   | J         | 9200  | 980    | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Benzo[k]fluoranthene   | 3700   | J         | 9200  | 1200   | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Chrysene               | 6200   | J         | 9200  | 2100   | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Fluoranthene           | 13000  |           | 9200  | 980    | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Fluorene               | 1200   | J         | 9200  | 1100   | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 3300   | J         | 9200  | 1100   | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Pyrene                 | 10000  |           | 9200  | 1100   | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Phenanthrene           | 7900   | J         | 9200  | 1400   | ug/Kg | 50      | ✱ | 8270D  | Total/NA  |
| Arsenic                | 12.6   |           | 2.2   | 0.45   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Barium                 | 91.9   |           | 0.56  | 0.12   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Cadmium                | 0.14   | J         | 0.22  | 0.034  | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Chromium               | 394    | B         | 1.1   | 0.45   | mg/Kg | 2       | ✱ | 6010C  | Total/NA  |
| Lead                   | 213    |           | 1.1   | 0.27   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Silver                 | 0.53   | J         | 1.3   | 0.45   | mg/Kg | 2       | ✱ | 6010C  | Total/NA  |
| Mercury                | 0.24   |           | 0.022 | 0.0088 | mg/Kg | 1       | ✱ | 7471B  | Total/NA  |

## Client Sample ID: SP-SB-13 1-3FT

## Lab Sample ID: 480-153404-2

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Acenaphthene           | 100    | J         | 200   | 30     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Acenaphthylene         | 68     | J         | 200   | 26     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Anthracene             | 260    |           | 200   | 50     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[a]anthracene     | 820    |           | 200   | 20     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[a]pyrene         | 730    |           | 200   | 30     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[b]fluoranthene   | 910    |           | 200   | 32     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[g,h,i]perylene   | 500    |           | 200   | 21     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[k]fluoranthene   | 330    |           | 200   | 26     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Chrysene               | 810    |           | 200   | 45     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Dibenz(a,h)anthracene  | 150    | J         | 200   | 36     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Fluoranthene           | 1600   |           | 200   | 21     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Fluorene               | 120    | J         | 200   | 24     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 460    |           | 200   | 25     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Naphthalene            | 51     | J         | 200   | 26     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Pyrene                 | 1400   |           | 200   | 24     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Phenanthrene           | 1000   |           | 200   | 30     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Arsenic                | 6.6    |           | 2.4   | 0.48   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Barium                 | 87.2   |           | 0.60  | 0.13   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Cadmium                | 0.099  | J         | 0.24  | 0.036  | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Chromium               | 17.7   | B         | 0.60  | 0.24   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Lead                   | 145    |           | 1.2   | 0.29   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Mercury                | 0.13   |           | 0.024 | 0.0096 | mg/Kg | 1       | ✱ | 7471B  | Total/NA  |

## Client Sample ID: SP-SB-14 2-4FT

## Lab Sample ID: 480-153404-3

| Analyte            | Result | Qualifier | RL    | MDL  | Unit  | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|-------|------|-------|---------|---|--------|-----------|
| Acenaphthene       | 49000  |           | 24000 | 3500 | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Acenaphthylene     | 27000  |           | 24000 | 3100 | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Anthracene         | 140000 |           | 24000 | 5800 | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Benzo[a]anthracene | 190000 |           | 24000 | 2400 | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Detection Summary

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

Job ID: 480-153404-1

## Client Sample ID: SP-SB-14 2-4FT (Continued)

## Lab Sample ID: 480-153404-3

| Analyte                | Result | Qualifier | RL    | MDL   | Unit  | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|-------|-------|---------|---|--------|-----------|
| Benzo[a]pyrene         | 170000 |           | 24000 | 3500  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Benzo[b]fluoranthene   | 210000 |           | 24000 | 3700  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Benzo[g,h,i]perylene   | 100000 |           | 24000 | 2500  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Benzo[k]fluoranthene   | 82000  |           | 24000 | 3100  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Chrysene               | 190000 |           | 24000 | 5300  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Dibenz(a,h)anthracene  | 31000  |           | 24000 | 4200  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Fluoranthene           | 460000 |           | 24000 | 2500  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Fluorene               | 84000  |           | 24000 | 2800  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 90000  |           | 24000 | 2900  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Naphthalene            | 32000  |           | 24000 | 3100  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Pyrene                 | 380000 |           | 24000 | 2800  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Phenanthrene           | 460000 |           | 24000 | 3500  | ug/Kg | 100     | ✱ | 8270D  | Total/NA  |
| Arsenic                | 23.4   |           | 2.9   | 0.57  | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Barium                 | 1210   |           | 0.71  | 0.16  | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Cadmium                | 2.6    |           | 0.29  | 0.043 | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Chromium               | 8.1    | B         | 0.71  | 0.29  | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Lead                   | 402    |           | 1.4   | 0.34  | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Selenium               | 2.2    | J         | 5.7   | 0.57  | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Mercury                | 0.32   |           | 0.026 | 0.011 | mg/Kg | 1       | ✱ | 7471B  | Total/NA  |

## Client Sample ID: SP-SB-17 1-4FT

## Lab Sample ID: 480-153404-4

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Acenaphthene           | 180    | J         | 950   | 140    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Acenaphthylene         | 200    | J         | 950   | 120    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Anthracene             | 610    | J         | 950   | 230    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Benzo[a]anthracene     | 2300   |           | 950   | 95     | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Benzo[a]pyrene         | 2200   |           | 950   | 140    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Benzo[b]fluoranthene   | 2700   |           | 950   | 150    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Benzo[g,h,i]perylene   | 1400   |           | 950   | 100    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Benzo[k]fluoranthene   | 1400   |           | 950   | 120    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Chrysene               | 2400   |           | 950   | 210    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Dibenz(a,h)anthracene  | 420    | J         | 950   | 170    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Fluoranthene           | 4700   |           | 950   | 100    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Fluorene               | 190    | J         | 950   | 110    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 1300   |           | 950   | 120    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Pyrene                 | 4100   |           | 950   | 110    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Phenanthrene           | 2200   |           | 950   | 140    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Arsenic                | 7.4    |           | 2.3   | 0.45   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Barium                 | 67.0   |           | 0.57  | 0.12   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Cadmium                | 0.47   |           | 0.23  | 0.034  | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Chromium               | 10.6   | B         | 0.57  | 0.23   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Lead                   | 113    |           | 1.1   | 0.27   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Silver                 | 0.53   | J         | 0.68  | 0.23   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Mercury                | 0.77   |           | 0.022 | 0.0088 | mg/Kg | 1       | ✱ | 7471B  | Total/NA  |

## Client Sample ID: SP-SB-18 1-3FT

## Lab Sample ID: 480-153404-5

| Analyte            | Result | Qualifier | RL   | MDL | Unit  | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|-----|-------|---------|---|--------|-----------|
| Acenaphthylene     | 440    | J         | 1800 | 230 | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Benzo[a]anthracene | 1500   | J         | 1800 | 180 | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Benzo[a]pyrene     | 1800   |           | 1800 | 260 | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Detection Summary

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

Job ID: 480-153404-1

## Client Sample ID: SP-SB-18 1-3FT (Continued)

## Lab Sample ID: 480-153404-5

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Benzo[b]fluoranthene   | 2300   |           | 1800  | 280    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Benzo[g,h,i]perylene   | 1600   | J         | 1800  | 190    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Benzo[k]fluoranthene   | 1100   | J         | 1800  | 230    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Chrysene               | 1700   | J         | 1800  | 400    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Fluoranthene           | 2500   |           | 1800  | 190    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 1300   | J         | 1800  | 220    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Naphthalene            | 320    | J         | 1800  | 230    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Pyrene                 | 2200   |           | 1800  | 210    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Phenanthrene           | 1400   | J         | 1800  | 260    | ug/Kg | 5       | ✱ | 8270D  | Total/NA  |
| Arsenic                | 14.4   |           | 2.2   | 0.44   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Barium                 | 141    |           | 0.55  | 0.12   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Cadmium                | 0.22   |           | 0.22  | 0.033  | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Chromium               | 34.5   | B         | 0.55  | 0.22   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Lead                   | 249    |           | 1.1   | 0.26   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Mercury                | 0.068  |           | 0.022 | 0.0088 | mg/Kg | 1       | ✱ | 7471B  | Total/NA  |

## Client Sample ID: SP-SB-19 1-4FT

## Lab Sample ID: 480-153404-6

| Analyte                | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Acenaphthylene         | 32     | J         | 180   | 24     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Anthracene             | 81     | J         | 180   | 45     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[a]anthracene     | 330    |           | 180   | 18     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[a]pyrene         | 360    |           | 180   | 27     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[b]fluoranthene   | 480    |           | 180   | 29     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[g,h,i]perylene   | 340    |           | 180   | 19     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Benzo[k]fluoranthene   | 240    |           | 180   | 24     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Chrysene               | 370    |           | 180   | 41     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Fluoranthene           | 590    |           | 180   | 19     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Fluorene               | 32     | J         | 180   | 21     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Indeno[1,2,3-cd]pyrene | 300    |           | 180   | 22     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Pyrene                 | 500    |           | 180   | 21     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Phenanthrene           | 290    |           | 180   | 27     | ug/Kg | 1       | ✱ | 8270D  | Total/NA  |
| Arsenic                | 21.7   |           | 11.0  | 2.2    | mg/Kg | 5       | ✱ | 6010C  | Total/NA  |
| Barium                 | 99.3   |           | 0.55  | 0.12   | mg/Kg | 1       | ✱ | 6010C  | Total/NA  |
| Cadmium                | 7.6    |           | 1.1   | 0.17   | mg/Kg | 5       | ✱ | 6010C  | Total/NA  |
| Chromium               | 1620   | B         | 5.5   | 2.2    | mg/Kg | 10      | ✱ | 6010C  | Total/NA  |
| Lead                   | 799    |           | 5.5   | 1.3    | mg/Kg | 5       | ✱ | 6010C  | Total/NA  |
| Silver                 | 4.0    | J         | 6.6   | 2.2    | mg/Kg | 10      | ✱ | 6010C  | Total/NA  |
| Mercury                | 0.085  |           | 0.021 | 0.0086 | mg/Kg | 1       | ✱ | 7471B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

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

Job ID: 480-153404-1

Client Sample ID: SP-SB-12 1-3FT

Lab Sample ID: 480-153404-1

Date Collected: 05/09/19 10:30

Matrix: Solid

Date Received: 05/10/19 10:05

Percent Solids: 91.0

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

| Analyte                | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Acenaphthene           | ND     |           | 9200 | 1400 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Acenaphthylene         | ND     |           | 9200 | 1200 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Anthracene             | ND     |           | 9200 | 2300 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Benzo[a]anthracene     | 5900   | J         | 9200 | 920  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Benzo[a]pyrene         | 5300   | J         | 9200 | 1400 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Benzo[b]fluoranthene   | 7600   | J         | 9200 | 1500 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Benzo[g,h,i]perylene   | 3300   | J         | 9200 | 980  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Benzo[k]fluoranthene   | 3700   | J         | 9200 | 1200 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Chrysene               | 6200   | J         | 9200 | 2100 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Dibenz(a,h)anthracene  | ND     |           | 9200 | 1600 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Fluoranthene           | 13000  |           | 9200 | 980  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Fluorene               | 1200   | J         | 9200 | 1100 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Indeno[1,2,3-cd]pyrene | 3300   | J         | 9200 | 1100 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Naphthalene            | ND     |           | 9200 | 1200 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Pyrene                 | 10000  |           | 9200 | 1100 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Phenanthrene           | 7900   | J         | 9200 | 1400 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 17:34 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 158       | X         | 54 - 120 | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| 2-Fluorobiphenyl            | 86        |           | 60 - 120 | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| 2-Fluorophenol (Surr)       | 74        |           | 52 - 120 | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Phenol-d5 (Surr)            | 71        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| p-Terphenyl-d14 (Surr)      | 98        |           | 65 - 121 | 05/16/19 16:00 | 05/19/19 17:34 | 50      |
| Nitrobenzene-d5 (Surr)      | 128       | X         | 53 - 120 | 05/16/19 16:00 | 05/19/19 17:34 | 50      |

## Method: 6010C - Metals (ICP)

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic  | 12.6   |           | 2.2  | 0.45  | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:53 | 1       |
| Barium   | 91.9   |           | 0.56 | 0.12  | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:53 | 1       |
| Cadmium  | 0.14   | J         | 0.22 | 0.034 | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:53 | 1       |
| Chromium | 394    | B         | 1.1  | 0.45  | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 00:02 | 2       |
| Lead     | 213    |           | 1.1  | 0.27  | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:53 | 1       |
| Selenium | ND     |           | 9.0  | 0.90  | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 00:02 | 2       |
| Silver   | 0.53   | J         | 1.3  | 0.45  | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 00:02 | 2       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.24   |           | 0.022 | 0.0088 | mg/Kg | ☼ | 05/17/19 15:00 | 05/17/19 16:07 | 1       |

# Client Sample Results

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

Job ID: 480-153404-1

Client Sample ID: SP-SB-13 1-3FT

Lab Sample ID: 480-153404-2

Date Collected: 05/09/19 11:00

Matrix: Solid

Date Received: 05/10/19 10:05

Percent Solids: 82.6

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

| Analyte                | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene           | 100    | J         | 200 | 30  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Acenaphthylene         | 68     | J         | 200 | 26  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Anthracene             | 260    |           | 200 | 50  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Benzo[a]anthracene     | 820    |           | 200 | 20  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Benzo[a]pyrene         | 730    |           | 200 | 30  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Benzo[b]fluoranthene   | 910    |           | 200 | 32  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Benzo[g,h,i]perylene   | 500    |           | 200 | 21  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Benzo[k]fluoranthene   | 330    |           | 200 | 26  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Chrysene               | 810    |           | 200 | 45  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Dibenz(a,h)anthracene  | 150    | J         | 200 | 36  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Fluoranthene           | 1600   |           | 200 | 21  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Fluorene               | 120    | J         | 200 | 24  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Indeno[1,2,3-cd]pyrene | 460    |           | 200 | 25  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Naphthalene            | 51     | J         | 200 | 26  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Pyrene                 | 1400   |           | 200 | 24  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Phenanthrene           | 1000   |           | 200 | 30  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:02 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 99        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| 2-Fluorobiphenyl            | 103       |           | 60 - 120 | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| 2-Fluorophenol (Surr)       | 85        |           | 52 - 120 | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Phenol-d5 (Surr)            | 87        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| p-Terphenyl-d14 (Surr)      | 112       |           | 65 - 121 | 05/16/19 16:00 | 05/19/19 18:02 | 1       |
| Nitrobenzene-d5 (Surr)      | 90        |           | 53 - 120 | 05/16/19 16:00 | 05/19/19 18:02 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic  | 6.6    |           | 2.4  | 0.48  | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:57 | 1       |
| Barium   | 87.2   |           | 0.60 | 0.13  | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:57 | 1       |
| Cadmium  | 0.099  | J         | 0.24 | 0.036 | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:57 | 1       |
| Chromium | 17.7   | B         | 0.60 | 0.24  | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:57 | 1       |
| Lead     | 145    |           | 1.2  | 0.29  | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:57 | 1       |
| Selenium | ND     |           | 4.8  | 0.48  | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:57 | 1       |
| Silver   | ND     |           | 0.72 | 0.24  | mg/Kg | ☼ | 05/14/19 14:09 | 05/16/19 23:57 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.13   |           | 0.024 | 0.0096 | mg/Kg | ☼ | 05/17/19 15:00 | 05/17/19 16:11 | 1       |

# Client Sample Results

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

Job ID: 480-153404-1

Client Sample ID: SP-SB-14 2-4FT

Lab Sample ID: 480-153404-3

Date Collected: 05/09/19 11:30

Matrix: Solid

Date Received: 05/10/19 10:05

Percent Solids: 71.2

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

| Analyte                | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Acenaphthene           | 49000  |           | 24000 | 3500 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Acenaphthylene         | 27000  |           | 24000 | 3100 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Anthracene             | 140000 |           | 24000 | 5800 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Benzo[a]anthracene     | 190000 |           | 24000 | 2400 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Benzo[a]pyrene         | 170000 |           | 24000 | 3500 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Benzo[b]fluoranthene   | 210000 |           | 24000 | 3700 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Benzo[g,h,i]perylene   | 100000 |           | 24000 | 2500 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Benzo[k]fluoranthene   | 82000  |           | 24000 | 3100 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Chrysene               | 190000 |           | 24000 | 5300 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Dibenz(a,h)anthracene  | 31000  |           | 24000 | 4200 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Fluoranthene           | 460000 |           | 24000 | 2500 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Fluorene               | 84000  |           | 24000 | 2800 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Indeno[1,2,3-cd]pyrene | 90000  |           | 24000 | 2900 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Naphthalene            | 32000  |           | 24000 | 3100 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Pyrene                 | 380000 |           | 24000 | 2800 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Phenanthrene           | 460000 |           | 24000 | 3500 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:30 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 0         | X         | 54 - 120 | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| 2-Fluorobiphenyl            | 92        |           | 60 - 120 | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| 2-Fluorophenol (Surr)       | 75        |           | 52 - 120 | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Phenol-d5 (Surr)            | 75        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| p-Terphenyl-d14 (Surr)      | 123       | X         | 65 - 121 | 05/16/19 16:00 | 05/19/19 18:30 | 100     |
| Nitrobenzene-d5 (Surr)      | 177       | X         | 53 - 120 | 05/16/19 16:00 | 05/19/19 18:30 | 100     |

## Method: 6010C - Metals (ICP)

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic  | 23.4   |           | 2.9  | 0.57  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:00 | 1       |
| Barium   | 1210   |           | 0.71 | 0.16  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:00 | 1       |
| Cadmium  | 2.6    |           | 0.29 | 0.043 | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:00 | 1       |
| Chromium | 8.1    | B         | 0.71 | 0.29  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:00 | 1       |
| Lead     | 402    |           | 1.4  | 0.34  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:00 | 1       |
| Selenium | 2.2    | J         | 5.7  | 0.57  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:00 | 1       |
| Silver   | ND     |           | 0.86 | 0.29  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:00 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.32   |           | 0.026 | 0.011 | mg/Kg | ☼ | 05/17/19 15:00 | 05/17/19 16:12 | 1       |

# Client Sample Results

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

Job ID: 480-153404-1

Client Sample ID: SP-SB-17 1-4FT

Lab Sample ID: 480-153404-4

Date Collected: 05/09/19 13:00

Matrix: Solid

Date Received: 05/10/19 10:05

Percent Solids: 88.9

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

| Analyte                | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene           | 180    | J         | 950 | 140 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Acenaphthylene         | 200    | J         | 950 | 120 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Anthracene             | 610    | J         | 950 | 230 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Benzo[a]anthracene     | 2300   |           | 950 | 95  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Benzo[a]pyrene         | 2200   |           | 950 | 140 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Benzo[b]fluoranthene   | 2700   |           | 950 | 150 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Benzo[g,h,i]perylene   | 1400   |           | 950 | 100 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Benzo[k]fluoranthene   | 1400   |           | 950 | 120 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Chrysene               | 2400   |           | 950 | 210 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Dibenz(a,h)anthracene  | 420    | J         | 950 | 170 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Fluoranthene           | 4700   |           | 950 | 100 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Fluorene               | 190    | J         | 950 | 110 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Indeno[1,2,3-cd]pyrene | 1300   |           | 950 | 120 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Naphthalene            | ND     |           | 950 | 120 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Pyrene                 | 4100   |           | 950 | 110 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Phenanthrene           | 2200   |           | 950 | 140 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 18:58 | 5       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 86        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| 2-Fluorobiphenyl            | 100       |           | 60 - 120 | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| 2-Fluorophenol (Surr)       | 86        |           | 52 - 120 | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Phenol-d5 (Surr)            | 85        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| p-Terphenyl-d14 (Surr)      | 111       |           | 65 - 121 | 05/16/19 16:00 | 05/19/19 18:58 | 5       |
| Nitrobenzene-d5 (Surr)      | 89        |           | 53 - 120 | 05/16/19 16:00 | 05/19/19 18:58 | 5       |

## Method: 6010C - Metals (ICP)

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic  | 7.4    |           | 2.3  | 0.45  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:04 | 1       |
| Barium   | 67.0   |           | 0.57 | 0.12  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:04 | 1       |
| Cadmium  | 0.47   |           | 0.23 | 0.034 | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:04 | 1       |
| Chromium | 10.6   | B         | 0.57 | 0.23  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:04 | 1       |
| Lead     | 113    |           | 1.1  | 0.27  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:04 | 1       |
| Selenium | ND     |           | 4.5  | 0.45  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:04 | 1       |
| Silver   | 0.53   | J         | 0.68 | 0.23  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:04 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.77   |           | 0.022 | 0.0088 | mg/Kg | ☼ | 05/17/19 15:00 | 05/17/19 16:14 | 1       |

# Client Sample Results

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

Job ID: 480-153404-1

Client Sample ID: SP-SB-18 1-3FT

Lab Sample ID: 480-153404-5

Date Collected: 05/09/19 13:30

Matrix: Solid

Date Received: 05/10/19 10:05

Percent Solids: 91.8

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

| Analyte                       | Result      | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Acenaphthene                  | ND          |           | 1800 | 260 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Acenaphthylene</b>         | <b>440</b>  | <b>J</b>  | 1800 | 230 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| Anthracene                    | ND          |           | 1800 | 440 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Benzo[a]anthracene</b>     | <b>1500</b> | <b>J</b>  | 1800 | 180 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Benzo[a]pyrene</b>         | <b>1800</b> |           | 1800 | 260 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Benzo[b]fluoranthene</b>   | <b>2300</b> |           | 1800 | 280 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Benzo[g,h,i]perylene</b>   | <b>1600</b> | <b>J</b>  | 1800 | 190 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Benzo[k]fluoranthene</b>   | <b>1100</b> | <b>J</b>  | 1800 | 230 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Chrysene</b>               | <b>1700</b> | <b>J</b>  | 1800 | 400 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| Dibenz(a,h)anthracene         | ND          |           | 1800 | 320 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Fluoranthene</b>           | <b>2500</b> |           | 1800 | 190 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| Fluorene                      | ND          |           | 1800 | 210 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Indeno[1,2,3-cd]pyrene</b> | <b>1300</b> | <b>J</b>  | 1800 | 220 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Naphthalene</b>            | <b>320</b>  | <b>J</b>  | 1800 | 230 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Pyrene</b>                 | <b>2200</b> |           | 1800 | 210 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| <b>Phenanthrene</b>           | <b>1400</b> | <b>J</b>  | 1800 | 260 | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:26 | 5       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 76        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| 2-Fluorobiphenyl            | 94        |           | 60 - 120 | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| 2-Fluorophenol (Surr)       | 77        |           | 52 - 120 | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| Phenol-d5 (Surr)            | 81        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| p-Terphenyl-d14 (Surr)      | 105       |           | 65 - 121 | 05/16/19 16:00 | 05/19/19 19:26 | 5       |
| Nitrobenzene-d5 (Surr)      | 92        |           | 53 - 120 | 05/16/19 16:00 | 05/19/19 19:26 | 5       |

## Method: 6010C - Metals (ICP)

| Analyte         | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| <b>Arsenic</b>  | <b>14.4</b> |           | 2.2  | 0.44  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:19 | 1       |
| <b>Barium</b>   | <b>141</b>  |           | 0.55 | 0.12  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:19 | 1       |
| <b>Cadmium</b>  | <b>0.22</b> |           | 0.22 | 0.033 | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:19 | 1       |
| <b>Chromium</b> | <b>34.5</b> | <b>B</b>  | 0.55 | 0.22  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:19 | 1       |
| <b>Lead</b>     | <b>249</b>  |           | 1.1  | 0.26  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:19 | 1       |
| Selenium        | ND          |           | 4.4  | 0.44  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:19 | 1       |
| Silver          | ND          |           | 0.66 | 0.22  | mg/Kg | ☼ | 05/14/19 14:09 | 05/17/19 00:19 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result       | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>0.068</b> |           | 0.022 | 0.0088 | mg/Kg | ☼ | 05/17/19 15:00 | 05/17/19 16:15 | 1       |

# Client Sample Results

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

Job ID: 480-153404-1

Client Sample ID: SP-SB-19 1-4FT

Lab Sample ID: 480-153404-6

Date Collected: 05/09/19 14:00

Matrix: Solid

Date Received: 05/10/19 10:05

Percent Solids: 92.1

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

| Analyte                | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene           | ND     |           | 180 | 27  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Acenaphthylene         | 32     | J         | 180 | 24  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Anthracene             | 81     | J         | 180 | 45  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Benzo[a]anthracene     | 330    |           | 180 | 18  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Benzo[a]pyrene         | 360    |           | 180 | 27  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Benzo[b]fluoranthene   | 480    |           | 180 | 29  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Benzo[g,h,i]perylene   | 340    |           | 180 | 19  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Benzo[k]fluoranthene   | 240    |           | 180 | 24  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Chrysene               | 370    |           | 180 | 41  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Dibenz(a,h)anthracene  | ND     |           | 180 | 32  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Fluoranthene           | 590    |           | 180 | 19  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Fluorene               | 32     | J         | 180 | 21  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Indeno[1,2,3-cd]pyrene | 300    |           | 180 | 22  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Naphthalene            | ND     |           | 180 | 24  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Pyrene                 | 500    |           | 180 | 21  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Phenanthrene           | 290    |           | 180 | 27  | ug/Kg | ☼ | 05/16/19 16:00 | 05/19/19 19:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 94        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| 2-Fluorobiphenyl            | 103       |           | 60 - 120 | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| 2-Fluorophenol (Surr)       | 85        |           | 52 - 120 | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Phenol-d5 (Surr)            | 86        |           | 54 - 120 | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| p-Terphenyl-d14 (Surr)      | 114       |           | 65 - 121 | 05/16/19 16:00 | 05/19/19 19:53 | 1       |
| Nitrobenzene-d5 (Surr)      | 90        |           | 53 - 120 | 05/16/19 16:00 | 05/19/19 19:53 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Arsenic  | 21.7   |           | 11.0 | 2.2  | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 00:21 | 5       |
| Barium   | 99.3   |           | 0.55 | 0.12 | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 00:17 | 1       |
| Cadmium  | 7.6    |           | 1.1  | 0.17 | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 00:21 | 5       |
| Chromium | 1620   | B         | 5.5  | 2.2  | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 10:29 | 10      |
| Lead     | 799    |           | 5.5  | 1.3  | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 00:21 | 5       |
| Selenium | ND     |           | 44.1 | 4.4  | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 10:29 | 10      |
| Silver   | 4.0    | J         | 6.6  | 2.2  | mg/Kg | ☼ | 05/14/19 14:09 | 05/18/19 10:29 | 10      |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.085  |           | 0.021 | 0.0086 | mg/Kg | ☼ | 05/17/19 15:00 | 05/17/19 16:16 | 1       |

# Surrogate Summary

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

Job ID: 480-153404-1

## 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<br>(54-120)                                | FBP<br>(60-120) | 2FP<br>(52-120) | PHL<br>(54-120) | TPHd14<br>(65-121) | NBZ<br>(53-120) |
| 480-153404-1       | SP-SB-12 1-3FT     | 158 X                                          | 86              | 74              | 71              | 98                 | 128 X           |
| 480-153404-2       | SP-SB-13 1-3FT     | 99                                             | 103             | 85              | 87              | 112                | 90              |
| 480-153404-3       | SP-SB-14 2-4FT     | 0 X                                            | 92              | 75              | 75              | 123 X              | 177 X           |
| 480-153404-4       | SP-SB-17 1-4FT     | 86                                             | 100             | 86              | 85              | 111                | 89              |
| 480-153404-5       | SP-SB-18 1-3FT     | 76                                             | 94              | 77              | 81              | 105                | 92              |
| 480-153404-6       | SP-SB-19 1-4FT     | 94                                             | 103             | 85              | 86              | 114                | 90              |
| LCS 480-473254/2-A | Lab Control Sample | 95                                             | 84              | 68              | 72              | 103                | 73              |
| MB 480-473254/1-A  | Method Blank       | 83                                             | 93              | 81              | 82              | 108                | 82              |

### 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)

# QC Sample Results

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

Job ID: 480-153404-1

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

Lab Sample ID: MB 480-473254/1-A

Matrix: Solid

Analysis Batch: 473588

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473254

| Analyte                | MB Result | MB Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene           | ND        |              | 170 | 25  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Acenaphthylene         | ND        |              | 170 | 22  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Anthracene             | ND        |              | 170 | 42  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Benzo[a]anthracene     | ND        |              | 170 | 17  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Benzo[a]pyrene         | ND        |              | 170 | 25  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Benzo[b]fluoranthene   | ND        |              | 170 | 27  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Benzo[g,h,i]perylene   | ND        |              | 170 | 18  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Benzo[k]fluoranthene   | ND        |              | 170 | 22  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Chrysene               | ND        |              | 170 | 38  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Dibenz(a,h)anthracene  | ND        |              | 170 | 30  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Fluoranthene           | ND        |              | 170 | 18  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Fluorene               | ND        |              | 170 | 20  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Indeno[1,2,3-cd]pyrene | ND        |              | 170 | 21  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Naphthalene            | ND        |              | 170 | 22  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Pyrene                 | ND        |              | 170 | 20  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Phenanthrene           | ND        |              | 170 | 25  | ug/Kg |   | 05/16/19 16:00 | 05/19/19 14:43 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 83           |              | 54 - 120 | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| 2-Fluorobiphenyl            | 93           |              | 60 - 120 | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| 2-Fluorophenol (Surr)       | 81           |              | 52 - 120 | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Phenol-d5 (Surr)            | 82           |              | 54 - 120 | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| p-Terphenyl-d14 (Surr)      | 108          |              | 65 - 121 | 05/16/19 16:00 | 05/19/19 14:43 | 1       |
| Nitrobenzene-d5 (Surr)      | 82           |              | 53 - 120 | 05/16/19 16:00 | 05/19/19 14:43 | 1       |

Lab Sample ID: LCS 480-473254/2-A

Matrix: Solid

Analysis Batch: 473588

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473254

| Analyte                | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Acenaphthene           | 1650        | 1510       |               | ug/Kg |   | 91   | 62 - 120     |
| Acenaphthylene         | 1650        | 1560       |               | ug/Kg |   | 94   | 58 - 121     |
| Anthracene             | 1650        | 1780       |               | ug/Kg |   | 108  | 62 - 120     |
| Benzo[a]anthracene     | 1650        | 1710       |               | ug/Kg |   | 103  | 65 - 120     |
| Benzo[a]pyrene         | 1650        | 1750       |               | ug/Kg |   | 106  | 64 - 120     |
| Benzo[b]fluoranthene   | 1650        | 1760       |               | ug/Kg |   | 106  | 64 - 120     |
| Benzo[g,h,i]perylene   | 1650        | 1750       |               | ug/Kg |   | 106  | 45 - 145     |
| Benzo[k]fluoranthene   | 1650        | 1890       |               | ug/Kg |   | 114  | 65 - 120     |
| Chrysene               | 1650        | 1790       |               | ug/Kg |   | 108  | 64 - 120     |
| Dibenz(a,h)anthracene  | 1650        | 1850       |               | ug/Kg |   | 112  | 54 - 132     |
| Fluoranthene           | 1650        | 1850       |               | ug/Kg |   | 112  | 62 - 120     |
| Fluorene               | 1650        | 1610       |               | ug/Kg |   | 97   | 63 - 120     |
| Indeno[1,2,3-cd]pyrene | 1650        | 1780       |               | ug/Kg |   | 108  | 56 - 134     |
| Naphthalene            | 1650        | 1360       |               | ug/Kg |   | 82   | 55 - 120     |
| Pyrene                 | 1650        | 1800       |               | ug/Kg |   | 109  | 61 - 133     |
| Phenanthrene           | 1650        | 1730       |               | ug/Kg |   | 105  | 60 - 120     |

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# QC Sample Results

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

Job ID: 480-153404-1

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

Lab Sample ID: LCS 480-473254/2-A

Matrix: Solid

Analysis Batch: 473588

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473254

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 2,4,6-Tribromophenol (Surr) | 95               |                  | 54 - 120 |
| 2-Fluorobiphenyl            | 84               |                  | 60 - 120 |
| 2-Fluorophenol (Surr)       | 68               |                  | 52 - 120 |
| Phenol-d5 (Surr)            | 72               |                  | 54 - 120 |
| p-Terphenyl-d14 (Surr)      | 103              |                  | 65 - 121 |
| Nitrobenzene-d5 (Surr)      | 73               |                  | 53 - 120 |

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-472749/1-A

Matrix: Solid

Analysis Batch: 473384

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 472749

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------------|----------------|---------|
| Arsenic  | ND           |                 | 2.0  | 0.40  | mg/Kg |   | 05/14/19 14:09 | 05/16/19 23:06 | 1       |
| Barium   | ND           |                 | 0.50 | 0.11  | mg/Kg |   | 05/14/19 14:09 | 05/16/19 23:06 | 1       |
| Cadmium  | ND           |                 | 0.20 | 0.030 | mg/Kg |   | 05/14/19 14:09 | 05/16/19 23:06 | 1       |
| Chromium | 0.430        | J               | 0.50 | 0.20  | mg/Kg |   | 05/14/19 14:09 | 05/16/19 23:06 | 1       |
| Lead     | ND           |                 | 1.0  | 0.24  | mg/Kg |   | 05/14/19 14:09 | 05/16/19 23:06 | 1       |
| Selenium | ND           |                 | 4.0  | 0.40  | mg/Kg |   | 05/14/19 14:09 | 05/16/19 23:06 | 1       |
| Silver   | ND           |                 | 0.60 | 0.20  | mg/Kg |   | 05/14/19 14:09 | 05/16/19 23:06 | 1       |

Lab Sample ID: LCDSRM 480-472749/25-A

Matrix: Solid

Analysis Batch: 474084

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 472749

| Analyte  | Spike<br>Added | LCDSRM<br>Result | LCDSRM<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|------------------|---------------------|-------|---|------|-----------------|-----|--------------|
| Arsenic  | 221            | 170.5            |                     | mg/Kg |   | 77.1 | 63.8 - 119.0    | 12  | 20           |
| Barium   | 288            | 235.0            |                     | mg/Kg |   | 81.6 | 70.5 - 117.4    | 10  | 20           |
| Cadmium  | 153            | 115.6            |                     | mg/Kg |   | 75.6 | 68.6 - 115.0    | 12  | 20           |
| Chromium | 179            | 141.5            |                     | mg/Kg |   | 79.0 | 65.4 - 121.2    | 15  | 20           |
| Lead     | 74.5           | 70.49            |                     | mg/Kg |   | 94.6 | 67.8 - 130.3    | 10  | 20           |
| Selenium | 54.4           | 40.76            |                     | mg/Kg |   | 74.9 | 53.3 - 130.0    | 15  | 20           |
| Silver   | 75.5           | 57.81            |                     | mg/Kg |   | 76.6 | 66.6 - 121.7    | 20  | 20           |

Lab Sample ID: LCSSRM 480-472749/2-A

Matrix: Solid

Analysis Batch: 473384

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 472749

| Analyte | Spike<br>Added | LCSSRM<br>Result | LCSSRM<br>Qualifier | Unit  | D | %Rec | %Rec.<br>Limits |
|---------|----------------|------------------|---------------------|-------|---|------|-----------------|
| Arsenic | 221            | 191.7            |                     | mg/Kg |   | 86.8 | 63.8 - 119.0    |
| Barium  | 288            | 259.8            |                     | mg/Kg |   | 90.2 | 70.5 - 117.4    |

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# QC Sample Results

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

Job ID: 480-153404-1

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

Lab Sample ID: LCSSRM 480-472749/2-A

Matrix: Solid

Analysis Batch: 473384

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 472749

| Analyte  | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit  | D | %Rec  | %Rec. Limits |
|----------|-------------|---------------|------------------|-------|---|-------|--------------|
| Cadmium  | 153         | 130.7         |                  | mg/Kg |   | 85.4  | 68.6 - 115.0 |
| Chromium | 179         | 164.0         |                  | mg/Kg |   | 91.6  | 65.4 - 121.2 |
| Lead     | 74.5        | 78.12         |                  | mg/Kg |   | 104.9 | 67.8 - 130.3 |
| Selenium | 54.4        | 47.28         |                  | mg/Kg |   | 86.9  | 53.3 - 130.0 |
| Silver   | 75.5        | 70.99         |                  | mg/Kg |   | 94.0  | 66.6 - 121.7 |

## Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-473457/1-A

Matrix: Solid

Analysis Batch: 473490

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473457

| Analyte | MB Result | MB Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.020 | 0.0082 | mg/Kg |   | 05/17/19 15:00 | 05/17/19 15:56 | 1       |

Lab Sample ID: LCSSRM 480-473457/2-A ^5

Matrix: Solid

Analysis Batch: 473490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473457

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------|-------------|---------------|------------------|-------|---|------|--------------|
| Mercury | 4.85        | 4.01          |                  | mg/Kg |   | 82.6 | 46.0 - 107.0 |

# QC Association Summary

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

Job ID: 480-153404-1

## GC/MS Semi VOA

### Prep Batch: 473254

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153404-1       | SP-SB-12 1-3FT     | Total/NA  | Solid  | 3550C  |            |
| 480-153404-2       | SP-SB-13 1-3FT     | Total/NA  | Solid  | 3550C  |            |
| 480-153404-3       | SP-SB-14 2-4FT     | Total/NA  | Solid  | 3550C  |            |
| 480-153404-4       | SP-SB-17 1-4FT     | Total/NA  | Solid  | 3550C  |            |
| 480-153404-5       | SP-SB-18 1-3FT     | Total/NA  | Solid  | 3550C  |            |
| 480-153404-6       | SP-SB-19 1-4FT     | Total/NA  | Solid  | 3550C  |            |
| MB 480-473254/1-A  | Method Blank       | Total/NA  | Solid  | 3550C  |            |
| LCS 480-473254/2-A | Lab Control Sample | Total/NA  | Solid  | 3550C  |            |

### Analysis Batch: 473588

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153404-1       | SP-SB-12 1-3FT     | Total/NA  | Solid  | 8270D  | 473254     |
| 480-153404-2       | SP-SB-13 1-3FT     | Total/NA  | Solid  | 8270D  | 473254     |
| 480-153404-3       | SP-SB-14 2-4FT     | Total/NA  | Solid  | 8270D  | 473254     |
| 480-153404-4       | SP-SB-17 1-4FT     | Total/NA  | Solid  | 8270D  | 473254     |
| 480-153404-5       | SP-SB-18 1-3FT     | Total/NA  | Solid  | 8270D  | 473254     |
| 480-153404-6       | SP-SB-19 1-4FT     | Total/NA  | Solid  | 8270D  | 473254     |
| MB 480-473254/1-A  | Method Blank       | Total/NA  | Solid  | 8270D  | 473254     |
| LCS 480-473254/2-A | Lab Control Sample | Total/NA  | Solid  | 8270D  | 473254     |

## Metals

### Prep Batch: 472749

| Lab Sample ID          | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------------|------------------------|-----------|--------|--------|------------|
| 480-153404-1           | SP-SB-12 1-3FT         | Total/NA  | Solid  | 3050B  |            |
| 480-153404-2           | SP-SB-13 1-3FT         | Total/NA  | Solid  | 3050B  |            |
| 480-153404-3           | SP-SB-14 2-4FT         | Total/NA  | Solid  | 3050B  |            |
| 480-153404-4           | SP-SB-17 1-4FT         | Total/NA  | Solid  | 3050B  |            |
| 480-153404-5           | SP-SB-18 1-3FT         | Total/NA  | Solid  | 3050B  |            |
| 480-153404-6           | SP-SB-19 1-4FT         | Total/NA  | Solid  | 3050B  |            |
| MB 480-472749/1-A      | Method Blank           | Total/NA  | Solid  | 3050B  |            |
| LCDSRM 480-472749/25-A | Lab Control Sample Dup | Total/NA  | Solid  | 3050B  |            |
| LCSSRM 480-472749/2-A  | Lab Control Sample     | Total/NA  | Solid  | 3050B  |            |

### Analysis Batch: 473384

| Lab Sample ID         | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------------|--------------------|-----------|--------|--------|------------|
| 480-153404-1          | SP-SB-12 1-3FT     | Total/NA  | Solid  | 6010C  | 472749     |
| 480-153404-2          | SP-SB-13 1-3FT     | Total/NA  | Solid  | 6010C  | 472749     |
| 480-153404-3          | SP-SB-14 2-4FT     | Total/NA  | Solid  | 6010C  | 472749     |
| 480-153404-4          | SP-SB-17 1-4FT     | Total/NA  | Solid  | 6010C  | 472749     |
| 480-153404-5          | SP-SB-18 1-3FT     | Total/NA  | Solid  | 6010C  | 472749     |
| MB 480-472749/1-A     | Method Blank       | Total/NA  | Solid  | 6010C  | 472749     |
| LCSSRM 480-472749/2-A | Lab Control Sample | Total/NA  | Solid  | 6010C  | 472749     |

### Prep Batch: 473457

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-153404-1  | SP-SB-12 1-3FT   | Total/NA  | Solid  | 7471B  |            |
| 480-153404-2  | SP-SB-13 1-3FT   | Total/NA  | Solid  | 7471B  |            |
| 480-153404-3  | SP-SB-14 2-4FT   | Total/NA  | Solid  | 7471B  |            |
| 480-153404-4  | SP-SB-17 1-4FT   | Total/NA  | Solid  | 7471B  |            |
| 480-153404-5  | SP-SB-18 1-3FT   | Total/NA  | Solid  | 7471B  |            |

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# QC Association Summary

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

Job ID: 480-153404-1

## Metals (Continued)

### Prep Batch: 473457 (Continued)

| Lab Sample ID            | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|--------------------|-----------|--------|--------|------------|
| 480-153404-6             | SP-SB-19 1-4FT     | Total/NA  | Solid  | 7471B  |            |
| MB 480-473457/1-A        | Method Blank       | Total/NA  | Solid  | 7471B  |            |
| LCSSRM 480-473457/2-A ^5 | Lab Control Sample | Total/NA  | Solid  | 7471B  |            |

### Analysis Batch: 473490

| Lab Sample ID            | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|--------------------|-----------|--------|--------|------------|
| 480-153404-1             | SP-SB-12 1-3FT     | Total/NA  | Solid  | 7471B  | 473457     |
| 480-153404-2             | SP-SB-13 1-3FT     | Total/NA  | Solid  | 7471B  | 473457     |
| 480-153404-3             | SP-SB-14 2-4FT     | Total/NA  | Solid  | 7471B  | 473457     |
| 480-153404-4             | SP-SB-17 1-4FT     | Total/NA  | Solid  | 7471B  | 473457     |
| 480-153404-5             | SP-SB-18 1-3FT     | Total/NA  | Solid  | 7471B  | 473457     |
| 480-153404-6             | SP-SB-19 1-4FT     | Total/NA  | Solid  | 7471B  | 473457     |
| MB 480-473457/1-A        | Method Blank       | Total/NA  | Solid  | 7471B  | 473457     |
| LCSSRM 480-473457/2-A ^5 | Lab Control Sample | Total/NA  | Solid  | 7471B  | 473457     |

### Analysis Batch: 473623

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-153404-1  | SP-SB-12 1-3FT   | Total/NA  | Solid  | 6010C  | 472749     |
| 480-153404-6  | SP-SB-19 1-4FT   | Total/NA  | Solid  | 6010C  | 472749     |
| 480-153404-6  | SP-SB-19 1-4FT   | Total/NA  | Solid  | 6010C  | 472749     |

### Analysis Batch: 473671

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-153404-6  | SP-SB-19 1-4FT   | Total/NA  | Solid  | 6010C  | 472749     |

### Analysis Batch: 474084

| Lab Sample ID          | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------------|------------------------|-----------|--------|--------|------------|
| LCDSRM 480-472749/25-A | Lab Control Sample Dup | Total/NA  | Solid  | 6010C  | 472749     |

## General Chemistry

### Analysis Batch: 474905

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 480-153404-1    | SP-SB-12 1-3FT   | Total/NA  | Solid  | Moisture |            |
| 480-153404-2    | SP-SB-13 1-3FT   | Total/NA  | Solid  | Moisture |            |
| 480-153404-3    | SP-SB-14 2-4FT   | Total/NA  | Solid  | Moisture |            |
| 480-153404-4    | SP-SB-17 1-4FT   | Total/NA  | Solid  | Moisture |            |
| 480-153404-5    | SP-SB-18 1-3FT   | Total/NA  | Solid  | Moisture |            |
| 480-153404-6    | SP-SB-19 1-4FT   | Total/NA  | Solid  | Moisture |            |
| 480-153404-1 DU | SP-SB-12 1-3FT   | Total/NA  | Solid  | Moisture |            |

# Lab Chronicle

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

Job ID: 480-153404-1

**Client Sample ID: SP-SB-12 1-3FT**

**Date Collected: 05/09/19 10:30**

**Date Received: 05/10/19 10:05**

**Lab Sample ID: 480-153404-1**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 474905       | 05/28/19 11:17       | KEK1    | TAL BUF |

**Client Sample ID: SP-SB-12 1-3FT**

**Date Collected: 05/09/19 10:30**

**Date Received: 05/10/19 10:05**

**Lab Sample ID: 480-153404-1**

**Matrix: Solid**

**Percent Solids: 91.0**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 473254       | 05/16/19 16:00       | SGD     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 50              | 473588       | 05/19/19 17:34       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 472749       | 05/14/19 14:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 473384       | 05/16/19 23:53       | AMH     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 472749       | 05/14/19 14:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 2               | 473623       | 05/18/19 00:02       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 473457       | 05/17/19 15:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 473490       | 05/17/19 16:07       | BMB     | TAL BUF |

**Client Sample ID: SP-SB-13 1-3FT**

**Date Collected: 05/09/19 11:00**

**Date Received: 05/10/19 10:05**

**Lab Sample ID: 480-153404-2**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 474905       | 05/28/19 11:17       | KEK1    | TAL BUF |

**Client Sample ID: SP-SB-13 1-3FT**

**Date Collected: 05/09/19 11:00**

**Date Received: 05/10/19 10:05**

**Lab Sample ID: 480-153404-2**

**Matrix: Solid**

**Percent Solids: 82.6**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 473254       | 05/16/19 16:00       | SGD     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 473588       | 05/19/19 18:02       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 472749       | 05/14/19 14:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 473384       | 05/16/19 23:57       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 473457       | 05/17/19 15:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 473490       | 05/17/19 16:11       | BMB     | TAL BUF |

**Client Sample ID: SP-SB-14 2-4FT**

**Date Collected: 05/09/19 11:30**

**Date Received: 05/10/19 10:05**

**Lab Sample ID: 480-153404-3**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 474905       | 05/28/19 11:17       | KEK1    | TAL BUF |

# Lab Chronicle

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

Job ID: 480-153404-1

## Client Sample ID: SP-SB-14 2-4FT

Date Collected: 05/09/19 11:30

Date Received: 05/10/19 10:05

## Lab Sample ID: 480-153404-3

Matrix: Solid

Percent Solids: 71.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 473254       | 05/16/19 16:00       | SGD     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 100             | 473588       | 05/19/19 18:30       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 472749       | 05/14/19 14:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 473384       | 05/17/19 00:00       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 473457       | 05/17/19 15:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 473490       | 05/17/19 16:12       | BMB     | TAL BUF |

## Client Sample ID: SP-SB-17 1-4FT

Date Collected: 05/09/19 13:00

Date Received: 05/10/19 10:05

## Lab Sample ID: 480-153404-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 474905       | 05/28/19 11:17       | KEK1    | TAL BUF |

## Client Sample ID: SP-SB-17 1-4FT

Date Collected: 05/09/19 13:00

Date Received: 05/10/19 10:05

## Lab Sample ID: 480-153404-4

Matrix: Solid

Percent Solids: 88.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 473254       | 05/16/19 16:00       | SGD     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 473588       | 05/19/19 18:58       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 472749       | 05/14/19 14:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 473384       | 05/17/19 00:04       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 473457       | 05/17/19 15:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 473490       | 05/17/19 16:14       | BMB     | TAL BUF |

## Client Sample ID: SP-SB-18 1-3FT

Date Collected: 05/09/19 13:30

Date Received: 05/10/19 10:05

## Lab Sample ID: 480-153404-5

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 474905       | 05/28/19 11:17       | KEK1    | TAL BUF |

## Client Sample ID: SP-SB-18 1-3FT

Date Collected: 05/09/19 13:30

Date Received: 05/10/19 10:05

## Lab Sample ID: 480-153404-5

Matrix: Solid

Percent Solids: 91.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 473254       | 05/16/19 16:00       | SGD     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 473588       | 05/19/19 19:26       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 472749       | 05/14/19 14:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 473384       | 05/17/19 00:19       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 473457       | 05/17/19 15:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 473490       | 05/17/19 16:15       | BMB     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

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

Job ID: 480-153404-1

**Client Sample ID: SP-SB-19 1-4FT**

**Date Collected: 05/09/19 14:00**

**Date Received: 05/10/19 10:05**

**Lab Sample ID: 480-153404-6**

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 474905       | 05/28/19 11:17       | KEK1    | TAL BUF |

**Client Sample ID: SP-SB-19 1-4FT**

**Date Collected: 05/09/19 14:00**

**Date Received: 05/10/19 10:05**

**Lab Sample ID: 480-153404-6**

**Matrix: Solid**

**Percent Solids: 92.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 473254       | 05/16/19 16:00       | SGD     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 473588       | 05/19/19 19:53       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 472749       | 05/14/19 14:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 473623       | 05/18/19 00:17       | AMH     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 472749       | 05/14/19 14:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 5               | 473623       | 05/18/19 00:21       | AMH     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 472749       | 05/14/19 14:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 10              | 473671       | 05/18/19 10:29       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 473457       | 05/17/19 15:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 473490       | 05/17/19 16:16       | BMB     | TAL BUF |

## Laboratory References:

TAL BUF = Eurofins 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 - Ganson St.

Job ID: 480-153404-1

### Laboratory: Eurofins 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                 | 03-31-20        |

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   |

## Method Summary

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

Job ID: 480-153404-1

| Method   | Method Description                     | Protocol | Laboratory |
|----------|----------------------------------------|----------|------------|
| 8270D    | Semivolatile Organic Compounds (GC/MS) | 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    |
| 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 = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

## Sample Summary

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

Job ID: 480-153404-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-153404-1  | SP-SB-12 1-3FT   | Solid  | 05/09/19 10:30 | 05/10/19 10:05 |          |
| 480-153404-2  | SP-SB-13 1-3FT   | Solid  | 05/09/19 11:00 | 05/10/19 10:05 |          |
| 480-153404-3  | SP-SB-14 2-4FT   | Solid  | 05/09/19 11:30 | 05/10/19 10:05 |          |
| 480-153404-4  | SP-SB-17 1-4FT   | Solid  | 05/09/19 13:00 | 05/10/19 10:05 |          |
| 480-153404-5  | SP-SB-18 1-3FT   | Solid  | 05/09/19 13:30 | 05/10/19 10:05 |          |
| 480-153404-6  | SP-SB-19 1-4FT   | Solid  | 05/09/19 14:00 | 05/10/19 10:05 |          |

TESTMETRICA BUFFALO  
10 Hazelwood Drive

Anherst, NY 14228  
Phone: 716.691.2600 Fax: 716.691.7991

## Chain of Custody Record

304690

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING  
TestAmerica Laboratories, Inc.  
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

| Client Contact                                     |  | Project Manager: <u>BRYAN MAYBACK</u>                                                                                           |  | Site Contact: <u>CHAD SCHUSTER</u> |  | Date: <u>5/10/19</u>    |  | COC No: <u>1</u> of <u>1</u> COCs |  |
|----------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|--|-------------------------|--|-----------------------------------|--|
| Tel/Fax:                                           |  | Analysis Turnaround Time                                                                                                        |  | Lab Contact: <u>ERIAN FLECHER</u>  |  | Carrier:                |  | Sampler: <u>CMS</u>               |  |
| Company Name: <u>BENCHMARK ENV. ENG. &amp; SCI</u> |  | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS                                                    |  | Perform MS / MSD (Y / N)           |  | Filtered Sample (Y / N) |  | For Lab Use Only:                 |  |
| Address: <u>2558 HAMBURG TURNPIKE</u>              |  | TAT if different from Below                                                                                                     |  | Sample Date                        |  | Sample Time             |  | Walk-in Client:                   |  |
| City/State/Zip: <u>BUFFALO, NY 14218</u>           |  | <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day |  | Sample Type (G=Comp, G=Grab)       |  | Matrix                  |  | Lab Sampling:                     |  |
| Phone: <u>716-856-0599</u>                         |  | Fax:                                                                                                                            |  | Sample Date                        |  | Sample Time             |  | Job / SDG No.:                    |  |
| Project Name: <u>CANSON ST PARCELS</u>             |  | Site: <u>CANSON ST PARCELS</u>                                                                                                  |  | Sample Date                        |  | Sample Time             |  | Sample Specific Notes:            |  |
| PO # <u>30476-018-001</u>                          |  | Sample Identification                                                                                                           |  | Sample Date                        |  | Sample Time             |  | Sample Specific Notes:            |  |
| SP-SB-12 1-3 ft                                    |  | 5/9/19                                                                                                                          |  | 1030                               |  | Soil                    |  | X                                 |  |
| SP-SB-13 1-3 ft                                    |  | 1100                                                                                                                            |  | 1100                               |  | Soil                    |  | X                                 |  |
| SP-SB-14 2-4 ft                                    |  | 1130                                                                                                                            |  | 1130                               |  | Soil                    |  | X                                 |  |
| SP-SB-17 1-4 ft                                    |  | 1300                                                                                                                            |  | 1300                               |  | Soil                    |  | X                                 |  |
| SP-SB-18 1-3 ft                                    |  | 1330                                                                                                                            |  | 1330                               |  | Soil                    |  | X                                 |  |
| SP-SB-19 1-4 ft                                    |  | 1400                                                                                                                            |  | 1400                               |  | Soil                    |  | X                                 |  |

Barcode: 480-153404 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 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.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☒ Unknown ☐ Poison B

Special Instructions/QC Requirements & Comments:

| Custody Seal No.:                       |                           | Custody Seal No.:                 |                          | Custody Seal No.:                 |                          |
|-----------------------------------------|---------------------------|-----------------------------------|--------------------------|-----------------------------------|--------------------------|
| Relinquished by: <u>Chad M. Edwards</u> | Company: <u>BENCHMARK</u> | Received by: <u>Wendy P. Pina</u> | Company: <u>TABORAWO</u> | Received by: <u>Wendy P. Pina</u> | Company: <u>TABORAWO</u> |
| Relinquished by:                        | Company:                  | Received by:                      | Company:                 | Received by:                      | Company:                 |
| Relinquished by:                        | Company:                  | Received by:                      | Company:                 | Received by:                      | Company:                 |

Therm ID No.: #1 ICE

## Login Sample Receipt Checklist

Client: Benchmark Env. Eng. & Science, PLLC

Job Number: 480-153404-1

**Login Number: 153404**

**List Source: Eurofins 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.     | N/A    |           |
| 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    |           |